HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

DA-4 CHASSIS

MODEL NAME	REMOTE COMMANDER	DESTINATION	CHASSIS NO.
KD-30XS955	RM-Y199	US	SCC-S66U-A
KD-30XS955	RM-Y199	HAWAII	SCC-S69K-A
KD-34XBR960	RM-Y201	US	SCC-S66V-A
KD-34XBR960	RM-Y201	HAWAII	SCC-S69L-A
KD-34XS955	RM-Y199	US	SCC-S66W-A
KD-34XS955	RM-Y199	CANADA	SCC-S70V-A
KD-34XS955	RM-Y199	HAWAII	SCC-S69M-A
KD-36XS955	RM-Y199	US	SCC-S66X-A
KD-36XS955	RM-Y199	HAWAII	SCC-S69N-A

ORIGINAL MANUAL ISSUE DATE: 6/2004

☛ :UPDATED ITEM

REVISION DATE	SUBJECT
6/2004	No revisions or updates are applicable at this time.
7/2004	Reissue entire manual
11/2004	Updated Table of Contents (Replace Pg. 3 with Pg. 3)
	Added Note to Cable Wire Dressing section (Replace Pg. 13 with Page 13)
	Updated 2-1. Beam Landing instructions (Replace Pg. 34 with Pg. 34)
	Updated ID Map Table (Replace Pg. 92 with Pg. 92)
	Updated Circuit Boards Location diagram (Replace Pg. 93 with Pg. 93)
	Replaced P Board Schematic Diagram (Replace Pg. 99 with Pg. 99)
	Added PA Board Schematic and PWBs (Add Pgs. 100-A and 100-B)
	Updated BY Board PWBs (Replace Pgs. 111 & 112 with Pgs. 111 &112)
	Updated DZ Board Schematic (2 of 2) (Replace Pg. 123 with Pg. 123)
	Added PA Board to Exploded View section (Replace Pgs. 141, 143, & 145 with Pgs. 141, 143, & 145)
	Added PA Board information to Electrical Parts Lists (Add Pgs. 204-208)
12/2004	Corrected Self-Diagnostic Circuit Diagram (Replace Pg. 9 with Pg. 9)
2/2005	Updated 2-1. Beam Landing instructions (Replace Pg. 34 with Pg. 34)
	Reorganized 2-2. Convergence and 2-3. V-Pin and V-Cen Adjusment instructions (Replace Pg. 35 with Pg. 35)
	Corrected Block Diagram (Replace Pg. 94 with Pg. 94)
	Updated DZ Schematic Diagram to correct IC5005 pin 3 (Replace Pg. 122 with Pg. 122)
	Corrected Exploded View diagrams to show correct placement of Neck Assembly & Landing Coil Correction
	Corrected PN for Control Door & Power Button, Added Door Damper (Replace Pgs. 142, 144, &146 with Pgs. 142, 144, &146)

TRINITRON® COLOR TELEVISION

SONY®

9-965-965-05

Self Diagnosis Supported model

SERVICE MANUAL

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MODEL NAME	REMOTE COMMANDER	DESTINATION	CHASSIS NO.
KD-30XS955	RM-Y199	US	SCC-S66U-A
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KD-34XS955	RM-Y199	US	SCC-S66W-A
KD-34XS955	RM-Y199	CANADA	SCC-S70V-A
KD-34XS955	RM-Y199	HAWAII	SCC-S69M-A
KD-36XS955	RM-Y199	US	SCC-S66X-A
KD-36XS955	RM-Y199	HAWAII	SCC-S69N-A



KD-34XBR960



RM-201

TRINITRON® COLOR TELEVISION

SONY®

9-965-965-05

TABLE OF CONTENTS

SPECIFICATIONS

Power Requirements 120V AC, 60Hz

Inputs/Outputs

HDMI IN
- Video
  - 1080i, 720p, 480p, 480i
- Audio Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20, and 24 bit

Video (IN)
- 4 total (1 on front panel)
  - 1Vp-p, 75ohms unbalanced, sync negative

S Video (IN)
- 3 total (1 on front panel)
  - Y: 1Vp-p, 75ohms unbalanced, sync negative
  - C: 0.286Vp-p (Burst signal), 75ohms

Audio (IN)
- 7 total (1 on front panel)
  - 500 mVrms (100% modulation)
  - Impedance:47 kilo ohms

Control S (IN/OUT)
- 1 total

Component Video Input
- 2 (Y, PB, PR)
  - Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative
  - P_B: 0.7 Vp-p, 75 ohms;
  - P_R: 0.7 Vp-p, 75 ohms

Audio OUT (VAR/FIX)
- 1 total
  - At the maximum volume setting
    - More than 408 mVrms (Variable)
    - More than 408 mVrms (Fixed)
  - Impedance (Output):2 kilo ohm

i.LINK (KD-34XBR960 Only)
- 3 total (1 on front panel)
  - 4-pin S400 i.LINK terminal

Digital Audio Optical Output
PCM/Dolby Digital
- 1 total
  - Optical Rectangular

CableCARD Slot
- PCMCIA Type I/II

	KD-30XS955	KD-34XBR960	KD-34XS955	KD-36XS955
Speaker Output (W)	7.5 W x 2 15W Subwoofer			
Power Consumption (W)				
In Use (Max)	220 W	270 W	250 W	270 W
In Standby	3 W	3 W	3 W	3 W
In CableCARD Standby	20 W	23 W	20 W	20 W
Dimensions (W x H x D)				
mm	898 x 604 x 564.5 mm	994 x 652 x 605 mm	994 x 654 x 604 mm	994 x 776.5 x 634 mm
in	35 3/8 x 23 3/4 x 22 1/4 in	39 1/8 x 25 5/8 x 23 7/8 in	39 1/8 x 25 3/4 x 23 3/4 in	39 1/8 x 30 5/8 x 25 in
Mass				
kg	67 kg	89 kg	93 kg	108.2 kg
lbs	148 lbs	196 lbs	205 lbs	238.5 lbs

TruSurround™ by SRS®

SRS (SOUND RETRIEVAL SYSTEM)

Design and specifications are subject to change without notice.

Television system

American TV standard, NTSC

ATSC compliant (8 VSB terrestrial)

  ATSC compliant 8 VSB terrestrial

QAM on cable   ANSI/SCTE 07 2000

Channel coverage

Analog

  VHF: 2-13/ UHF: 14-69/ CATV: 1-125

Digital

  VHF: 2-13/ UHF: 14-69/ CATV: 1-135

Picture tube

FD Trinitron® tube

Visible screen size

30-inch picture measured diagonally (KD-30XS955 Only)

34-inch picture measured diagonally (KD-34XBR960/34XS955 Only)

36-inch picture measured diagonally (KD-36XS955 Only)

Actual screen size

32-inch measured diagonally (KD-30XS955 Only)

36-inch measured diagonally (KD-34XBR960/34XS955 Only)

38-inch measured diagonally (KD-36XS955 Only)

Antenna

75 ohm external terminal for VHF/UHF

Supplied Accessories

Remote Commander

  RM-Y199 (KD-30XS955/34XS955/36XS955 Only)

  RM-Y201 (KD-34XBR960 Only)

Two Size AA (R6) Batteries

Optional Accessories

AV Cable: VMC-810/820/830 HG

Audio Cable: RKC-515HG

Component Video Cable: VMC-10/30 HG

ILINK cables: (KD-34XBR960 Only)

  VMC-IL4415 (4-pin to 4-pin, 1.5 meters)

  VMC-IL4435 (4-pin to 4-pin, 3.5 meters)

TV Stand:

  SU-30HX1 (KD-30XS955 Only)

  SU-34XBR3 (KD-34XBR960 Only)

  SU-34HX1 (KD-34XS955 Only)

  SU-36HX1 (KD-36XS955 Only)

WARNINGS AND CAUTIONS

CAUTION

Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.

⚠ SAFETY-RELATED COMPONENT WARNING!!

Components identified by shading and ⚠ mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

ATTENTION!!

Apres avoir deconnecte le cap de l’anode, court-circuiter l’anode du tube cathodique et celui de l’anode du cap au chassis metallique de l’appareil, ou la couche de carbone peinte sur le tube cathodique ou au blindage du tube cathodique.

Afin d’eviter tout risque d’electrocution provenant d’un chássis sous tension, un transformateur d’isolement doit etre utilisé lors de tout dépannage. Le chássis de ce récepteur est directement raccordé à l’alimentation du secteur.

⚠ ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifies par une trame et par une marque ⚠ sur les schemas de principe, les vues explosees et les listes de pieces sont d’une importance critique pour la securite du fonctionnement. Ne les remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplements publies par Sony. Les reglages de circuit dont l’importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. Suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu’un mauvais fonctionnement suspecte.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.

2. Check the interboard wiring to ensure that no wires are “pinched” or touching high-wattage resistors.

3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.

4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.

5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.

6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.

7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.

8. Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instructions.

2. A battery-operated AC milliampmeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson’s 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble-light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

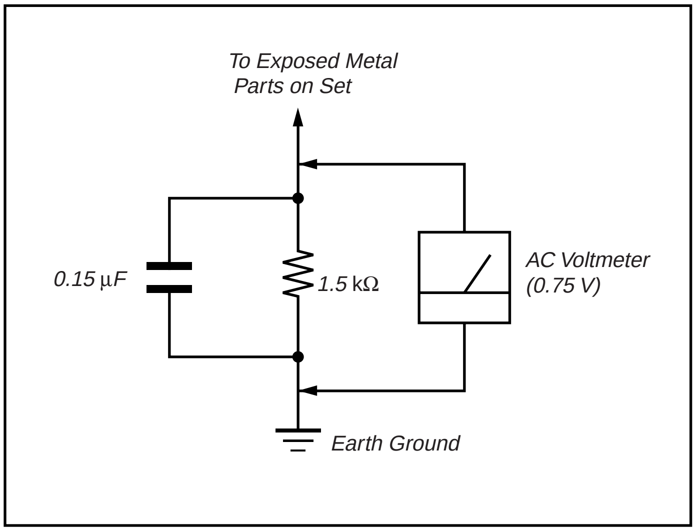


Figure A. Using an AC voltmeter to check AC leakage.

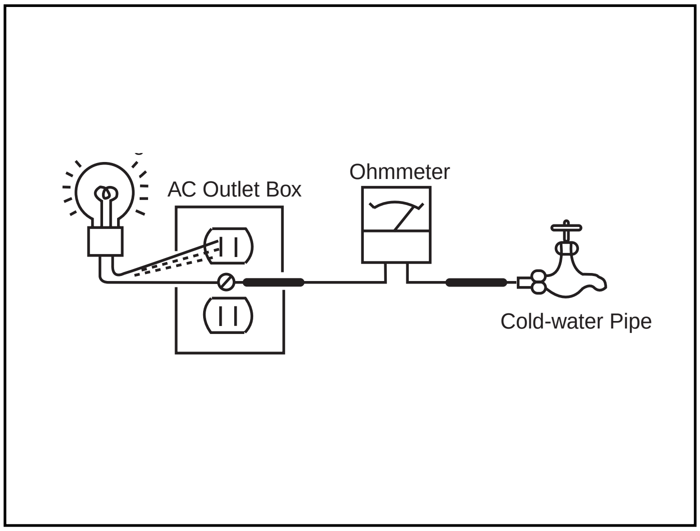


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION

Self Diagnosis Supported model

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

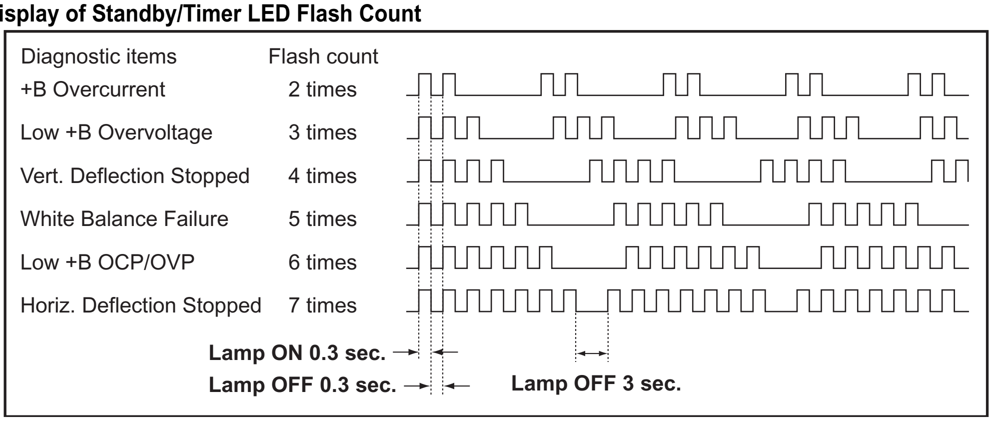
When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

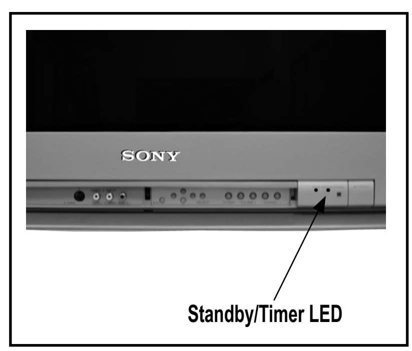
Results for all of the following diagnostic items are displayed on screen. If the screen displays a "0", an error has occurred.

Diagnostic Item	No. of times STANDBY / TIMER lamp flashes	Display Result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	_______	• Power cord is not plugged in. • Fuse is burned out (F501). (AZ Board)	• Power does not come on. • No power is supplied to the TV. • AC Power supply is faulty.
+B Overcurrent (OCP)*	2 times	2:0 or 2:1	• H.OUT (Q5030) is shorted. (DZ Board) • +B PWM (Q5003) is shorted. (DZ Board)	• Power does not come on. • Load on power line shorted.
Low +B Overvoltage (OVP)	3 times	3:0 or 3:1	• IC6505 is faulty. (DZ Board)	• Has entered standby mode.
Vertical Deflection Stopped	4 times	4:0 or 4:1	• 15V is not supplied. (DZ Board) • IC5004 is faulty. (DZ Board)	• Has entered standby mode after Horizontal raster. • Vertical deflection pulse is stopped. • Power line is shorted or power supply is stopped.
White Balance Failure (not balanced)	5 times	5:0 or 5:1	• Video OUT (IC9001-IC9003) is faulty. (CX Board) • CRT drive (IC2801) is faulty. (BY Board.) • G2 is improperly adjusted.**	• No raster is generated. • CRT cathode current detection reference pulse output is small.
LOW +B OCP/OVP (overcurrent/overvoltage)***	6 times	6:0 or 6:1	• +5 line is overloaded. (AZ, BY, MZ Boards) • +5 line is shorted. (AZ, BY, MZ Boards.) • IC504 is faulty. (AZ Board)	• No picture
Horizontal Deflection Stopped	7 times	7:0 or 7:1		• No picture

* If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.
** Refer to Screen (G2) in Section 2-5 of this manual.
*** If STANDBY/STEREO LED flashes six (6) times, unplug the unit and wait 10 seconds before performing the adjustment.

Display of Standby/Timer LED Flash Count





* One flash count is not used for self-diagnostic.

Stopping the Standby/Timer LED Flash

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

Self-Diagnostic Screen Display

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To Bring Up Screen Test

In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:

DISPLAY ➡ Channel 5 ➡ Sound volume - ➡ Power ON.

SELF DIAGNOSIS	
2: +B OCP	0
3: +B OVP	0
4: VSTOP	0
5: AKB	1
6: LOWB	0
7: H-STOP	0
101: WDT	24

Numeral "0" means that no fault was detected.

Numeral "1" means a fault was detected one time only.

Handling of Self-Diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

Clearing the Result Display

To clear the result display to "0", press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below:

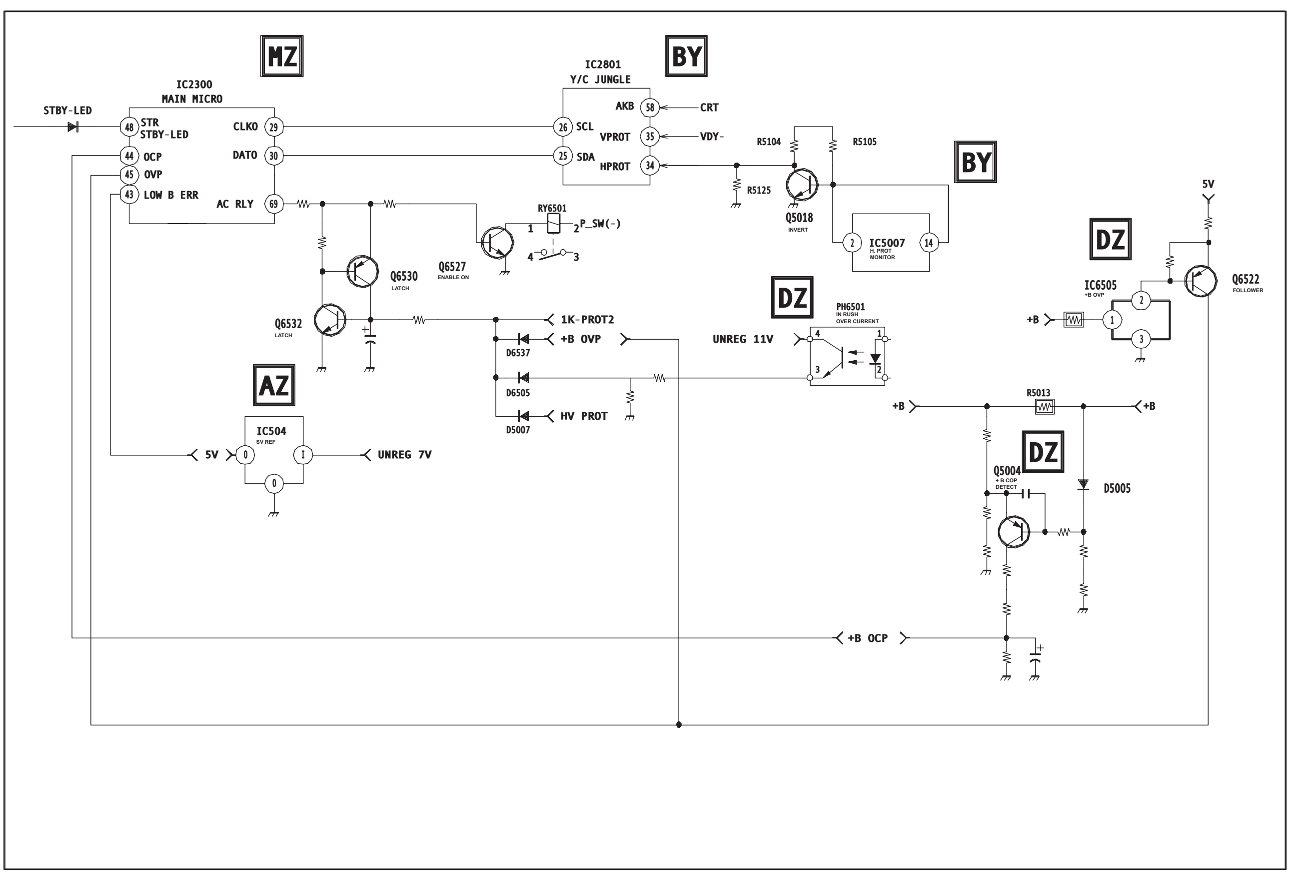
NOTE: This will also reset all user functions (including auto programming and picture settings)

Channel 8 ➡ ENTER

Quitting the Self-Diagnostic Screen

To quit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

Self-Diagnostic Circuit



+B overcurrent (OCP)
Occurs when excessive current flows through R5013. The increase in voltage across R5013 causes the output of Q5004 to go high, and this high signal goes to the micro.

+B overvoltage (OVP)
IC6505 detects +B OVP condition and turns on Q6522. This sends a high signal to the micro and also shuts down the AC relay.

V-STOP
Occurs when an absence of the vertical deflection pulse is detected by pin 24 of IC2801 (BY Board). Power supply will shut down when waveform interval exceeds 2 seconds.

White Balance Failure
If the RGB levels* do not balance within 2 seconds after the power is turned on, this error will be detected by IC2801. TV will stay on, but there will be no picture.

*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

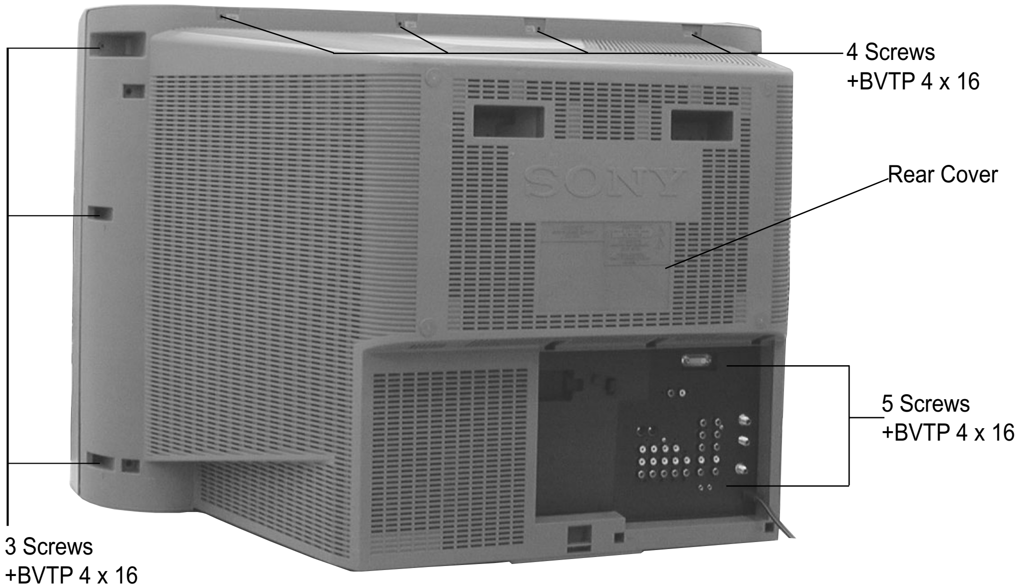
Low B OCP/OVP
Occurs when set 5V is out.

Horizontal Deflection Stopped
Occurs when either:

1) a +B overcurrent is detected (IC5007), or
2) overheating is detected (Thermistor TH5002).

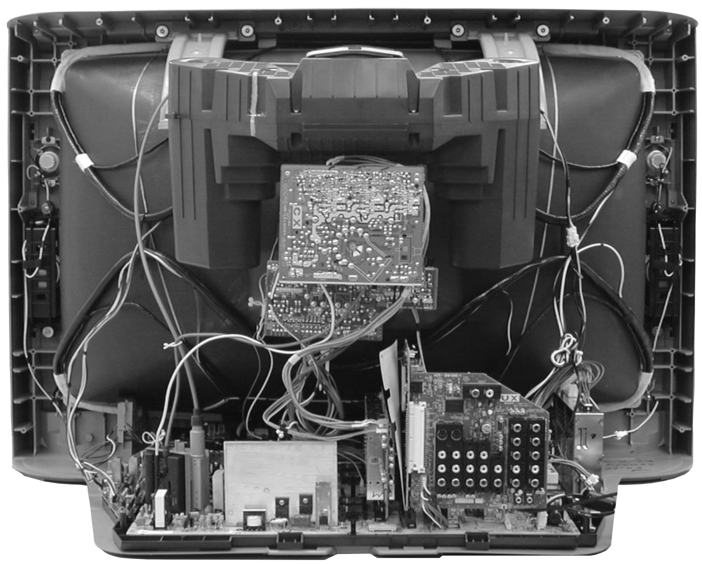
SECTION 1: DISASSEMBLY

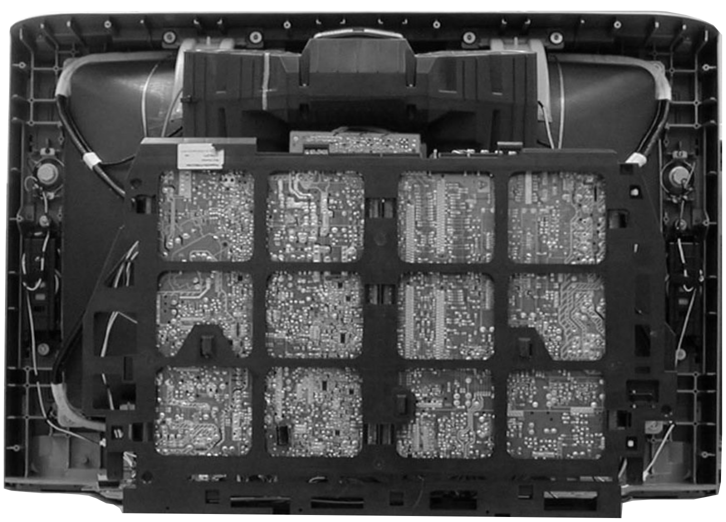
1-1.REAR COVER REMOVAL



1-2.CHASSIS ASSEMBLY REMOVAL

1. Lift lever up on the right and left sides of the chassis bracket and gently pull the chassis assembly away from the bezel.





1-3.SERVICE POSITION

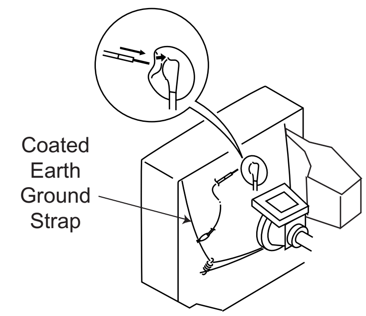
CAUTION! - Heat sink on IC5004 is -15V. Do not allow heat sink to touch GND or any other components.
Heat sink on Q8018 VpK=250V, is -15V. Do not touch or short to GND or any other components.

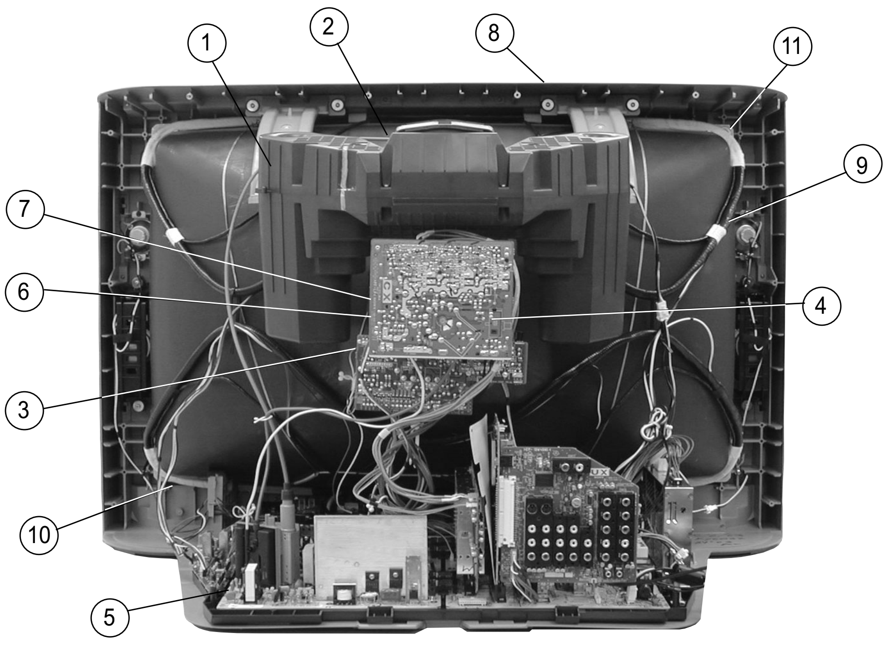
CAUTION! - Pay attention to Neck Assembly WY Board wire harness to BY Board. The WY Board can easily break if there is sudden or excessive tension on the harness.

1. Lift lever up on the right and left sides of the chassis bracket and gently pull the chassis assembly away from the bezel.
2. Pull up and rotate both the AZ and DZ Boards in order to service the unit.

1-4.PICTURE TUBE REMOVAL

WARNING: BEFORE REMOVING THE ANODE CAP
High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.





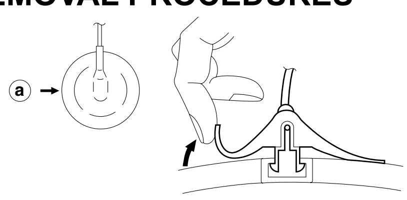
1. Remove the Sub-Woofer Assemblies.
2. Discharge the anode of the CRT and remove the anode cap.
3. Unplug all interconnecting leads from the deflection yoke, neck assembly, degaussing coils and CRT grounding strap.
4. Remove the CX Board from the CRT.
5. Remove the chassis assembly.
6. Loosen the neck assembly fixing screw and remove.
7. Loosen the deflection yoke fixing screw and remove.
8. Place the set with the CRT face down on a cushion and remove the degaussing coil holders.
9. Remove the degaussing coils.
10. Remove the CRT grounding strap and spring tension devices.
11. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT
[Take care not to handle the CRT by the neck].

ANODE CAP REMOVAL PROCEDURE

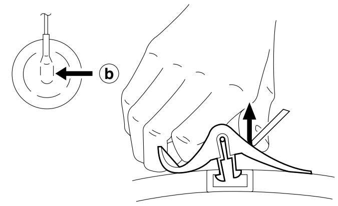
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. After removing the anode cap, short circuit to either the metal chassis, CRT shield, or carbon painted on the CRT.

NOTE: After removing the anode cap, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield or carbon painted on the CRT.

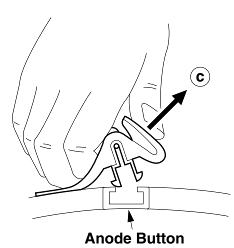
REMOVAL PROCEDURES



Turn up one side of the rubber cap in the direction indicated by arrow a .



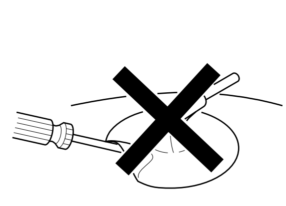
Use your thumb to pull the rubber cap firmly in the direction indicated by arrow b .

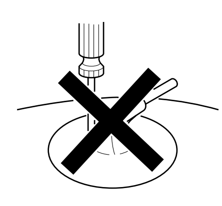


When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow c .

HOW TO HANDLE AN ANODE CAP

1. Do not use sharp objects which may cause damage to the surface of the anode cap.
2. To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
3. Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.

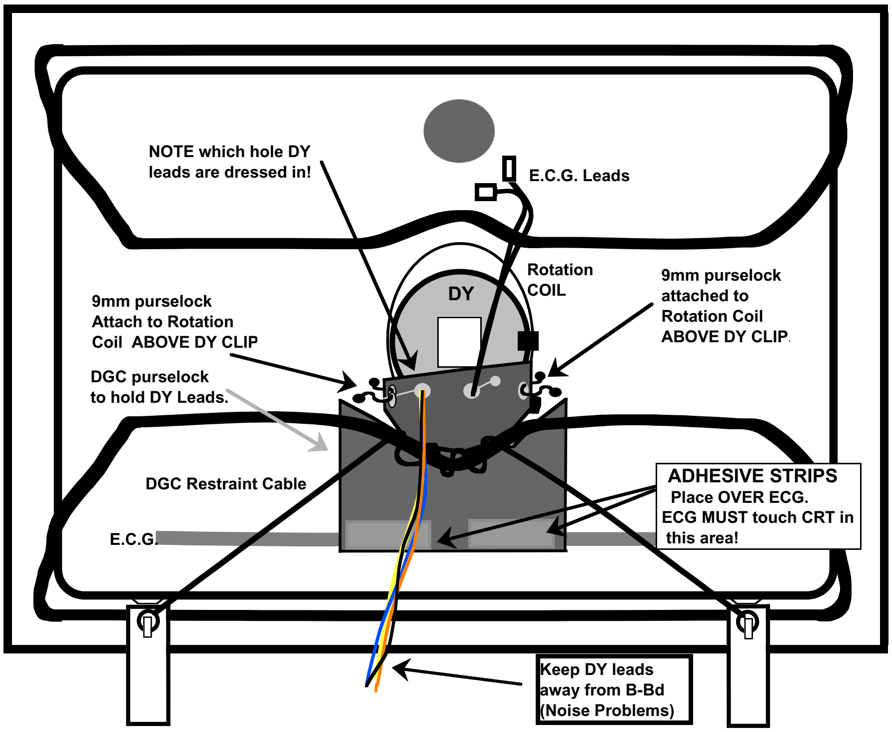




CABLE WIRE DRESSING

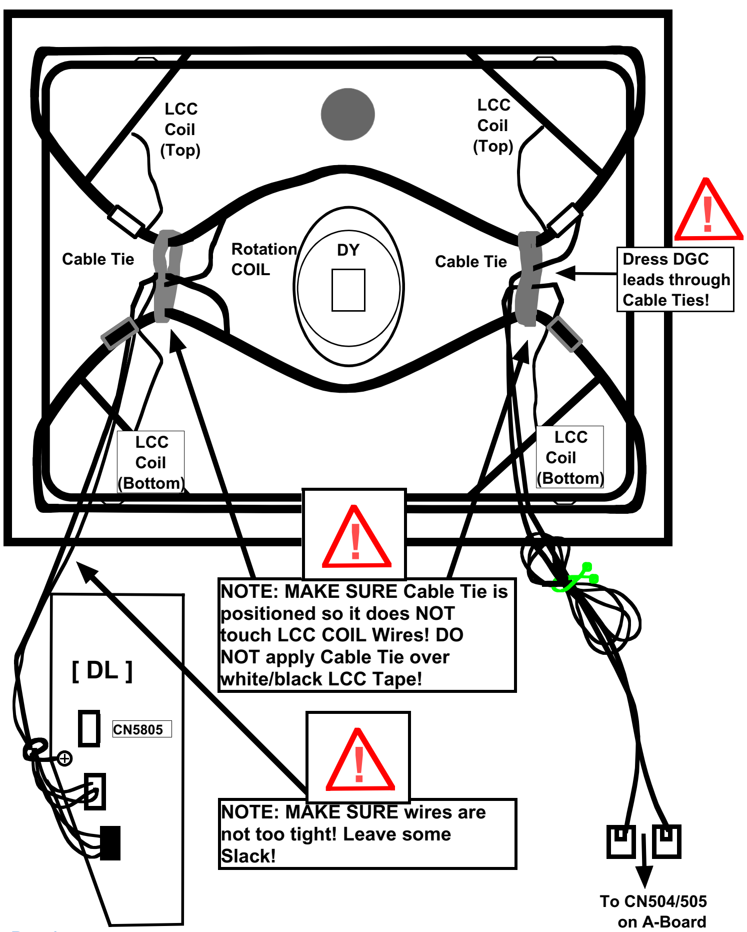
DY-SHIELD (ALL MODELS)

NOTE: IF THE WIRE DRESSING IS NOT DONE PROPERLY, IT MAY CAUSE DISTORTION



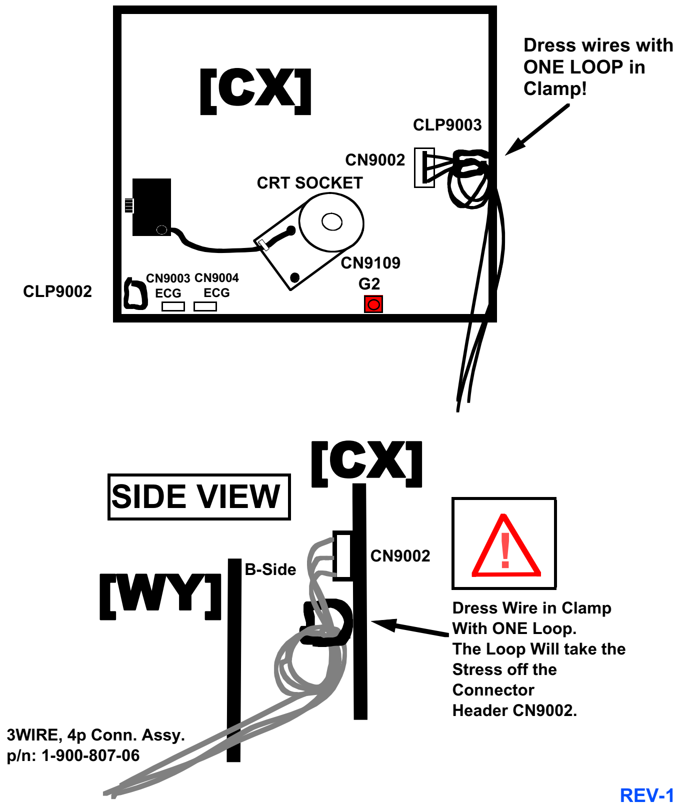
Rev. 1
6/21/04

DCG/LCC CAUTION POINTS (ALL MODELS)



Rev. 1
6/28/04

200V LEAD WIRE DRESSING CAUTION POINT (ALL MODELS)



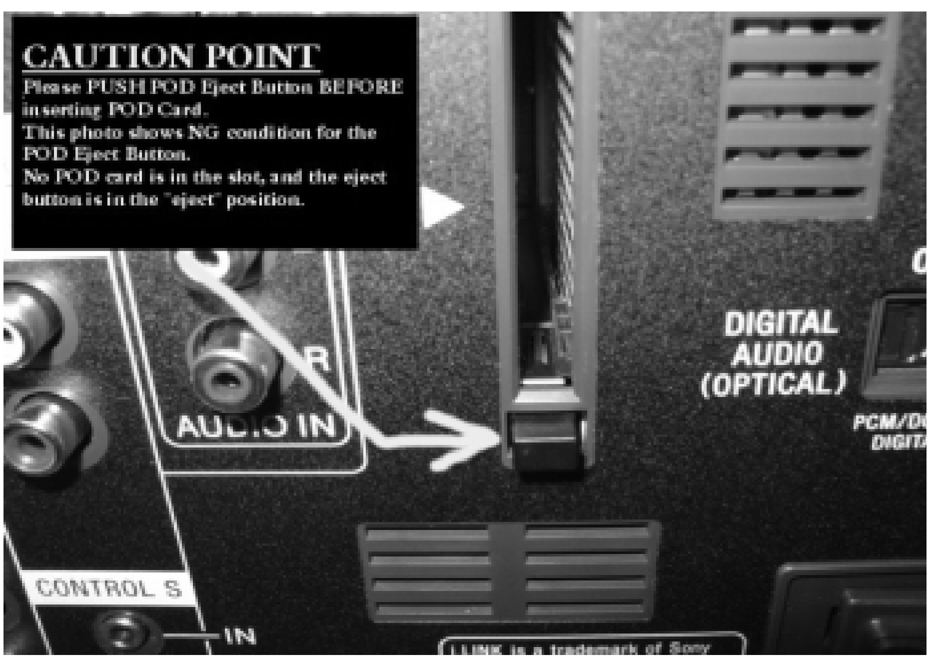
REV-1
6/28/04

POD EJECT BUTTON CAUTIONS - ALIGNMENT CHECK (ALL MODELS)



This was a defect from Pre-Pro set. Important to check alignment of POD Eject Buttom.
VERY important if QBOX is replaced in the field.

POD EJECT BUTTON CAUTIONS - NG BUTTON POSITION (ALL MODELS)



POD EJECT BUTTON CAUTIONS - STEP 1 BEFORE INSERT CARD (ALL MODELS)

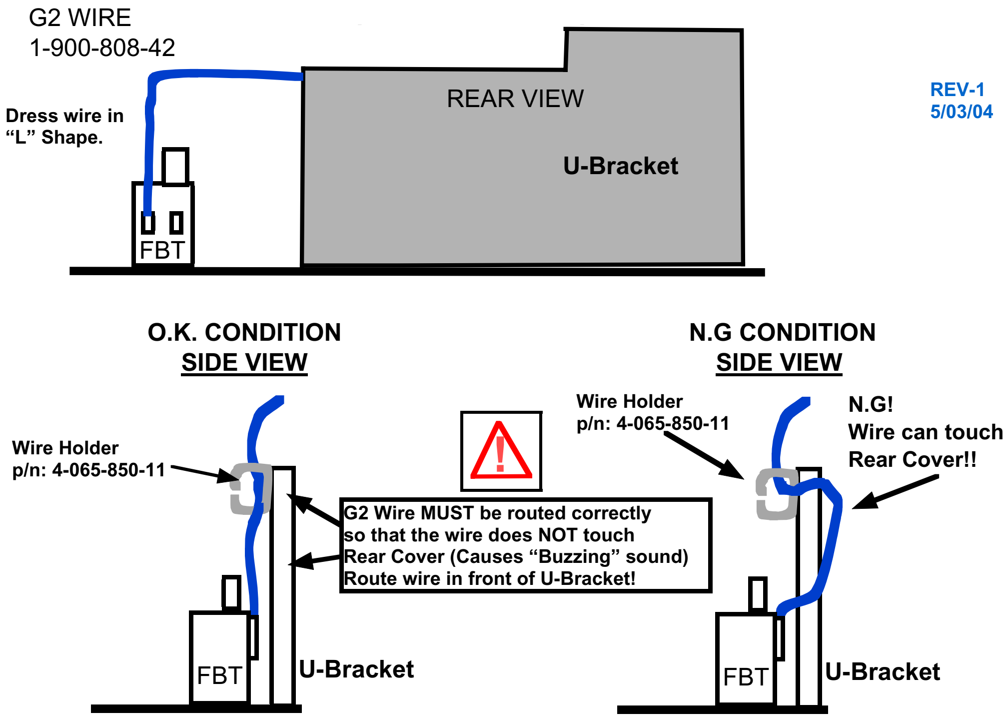


POD EJECT BUTTON CAUTIONS - STEP 2 INSERT CARD (ALL MODELS)

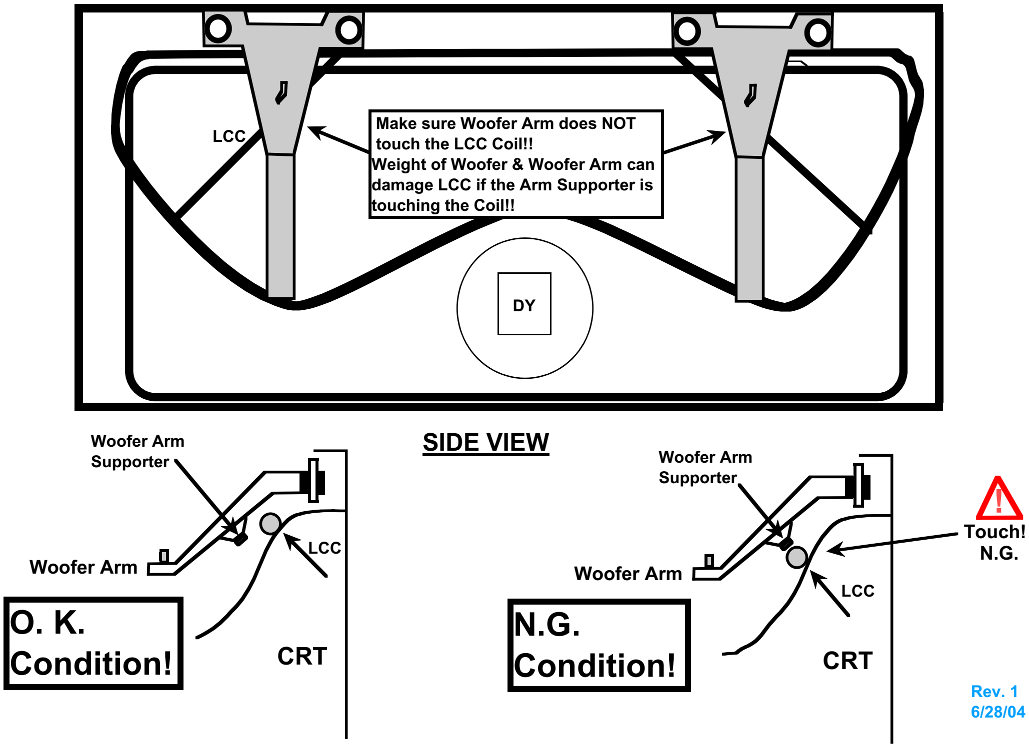


G2 WIRE ROUTING (ALL MODELS)

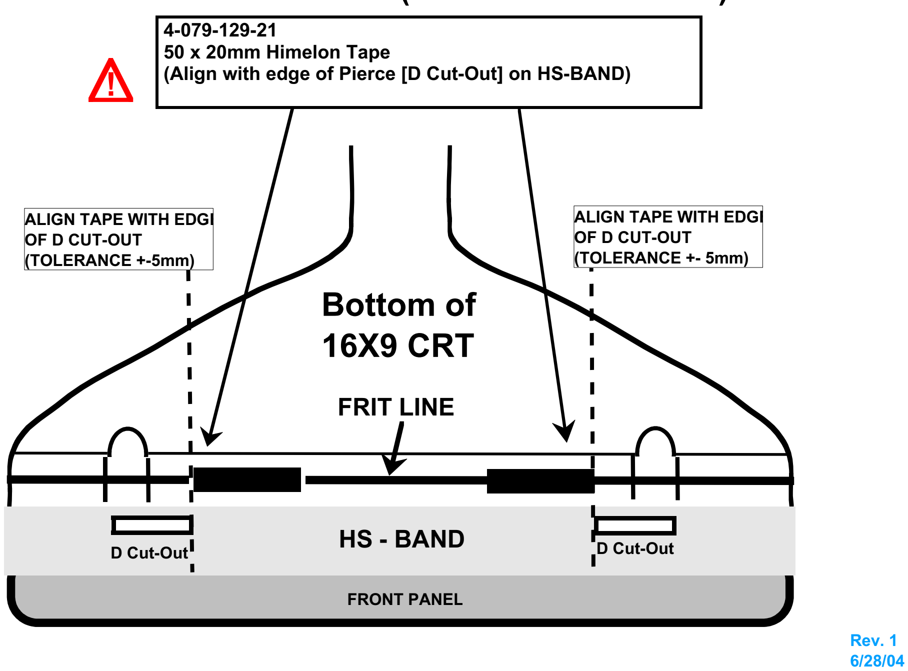
REV-1
5/03/04



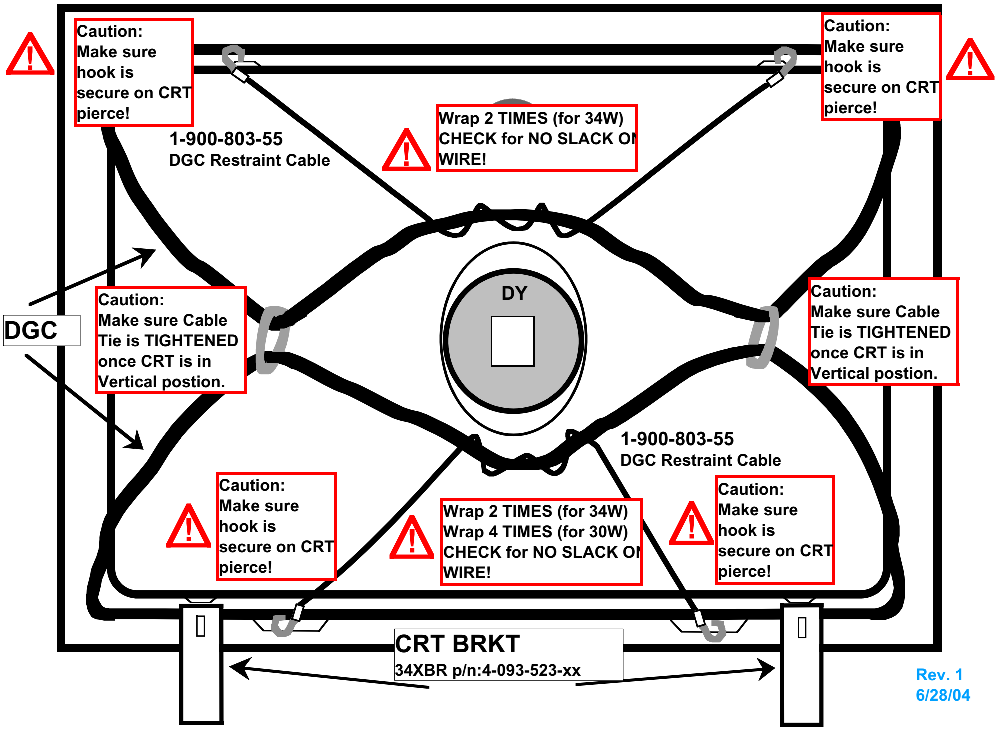
WOOFER ARM WIRE DRESSING CAUTION (KD-34XBR960 ONLY)



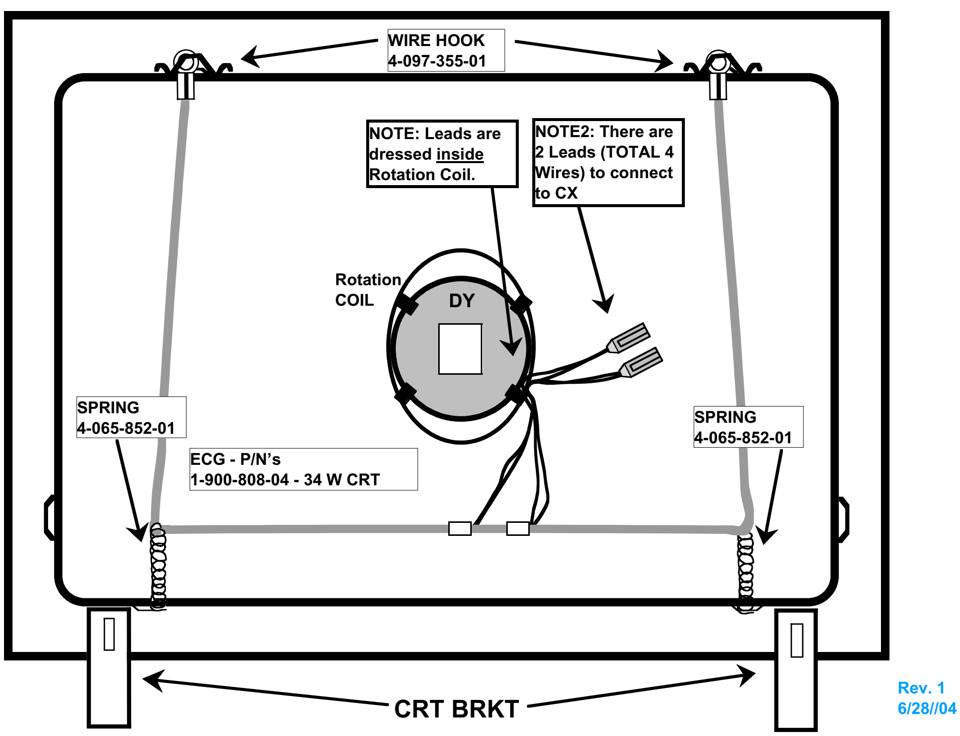
CRT PREP CAUTION POINT (KD-34XBR960 ONLY)



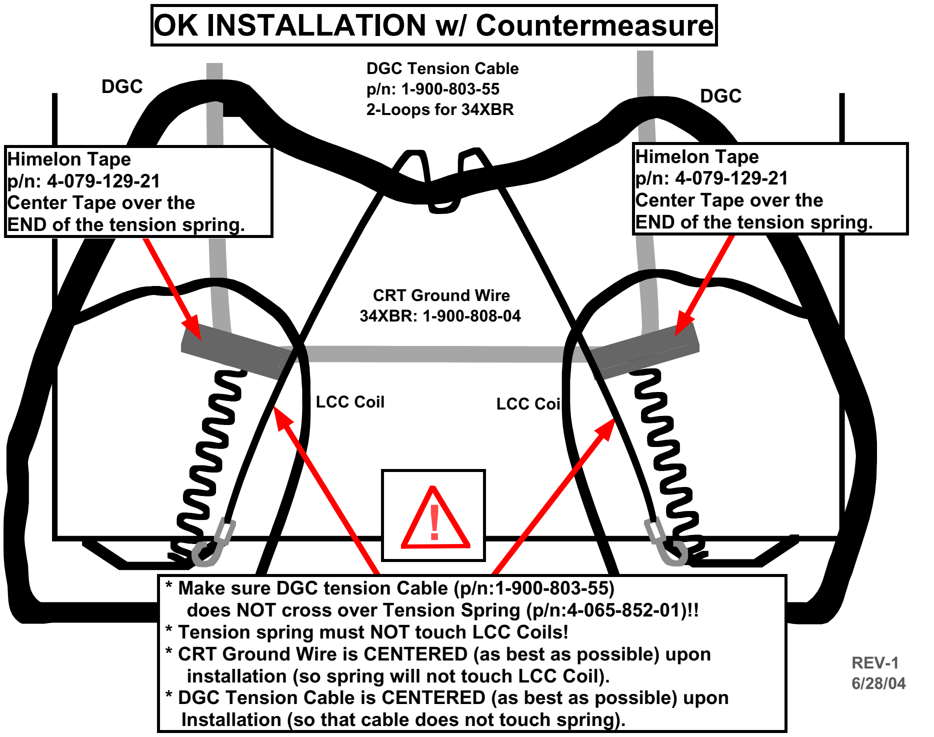
DGC ASSEMBLY CAUTION POINT (KD-34XBR960 ONLY)



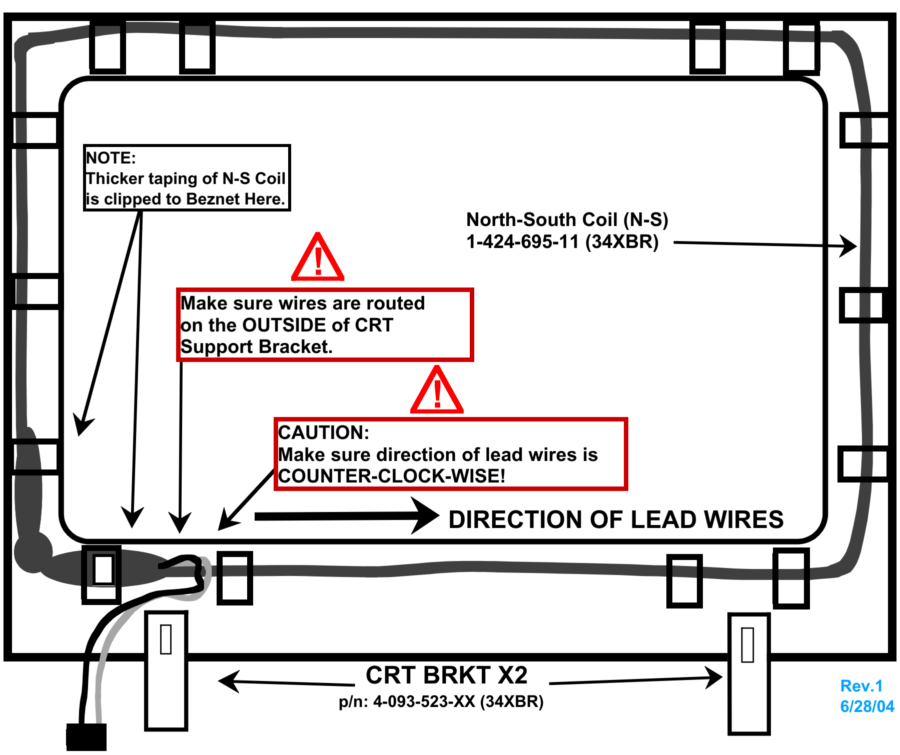
EGC WIRE DRESSING (KD-34XBR960 ONLY)



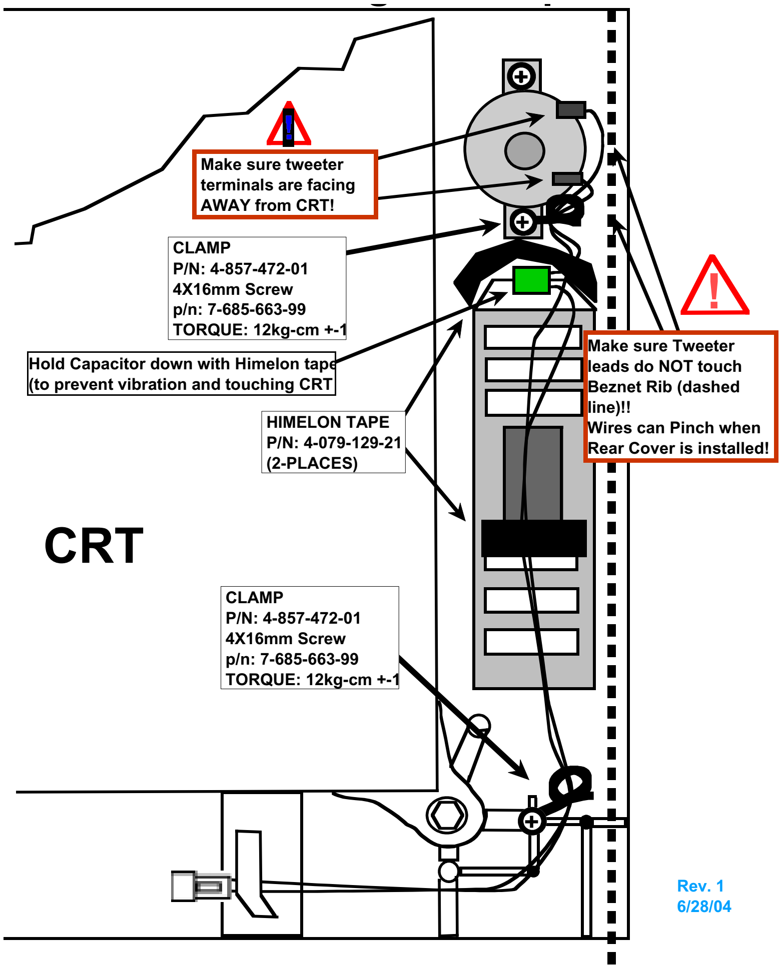
CRT GROUND WIRE CAUTION POINT (KD-34XBR960 ONLY)



N-S COIL WIRE DRESSING CAUTION POINT (KD-34XBR960 ONLY)

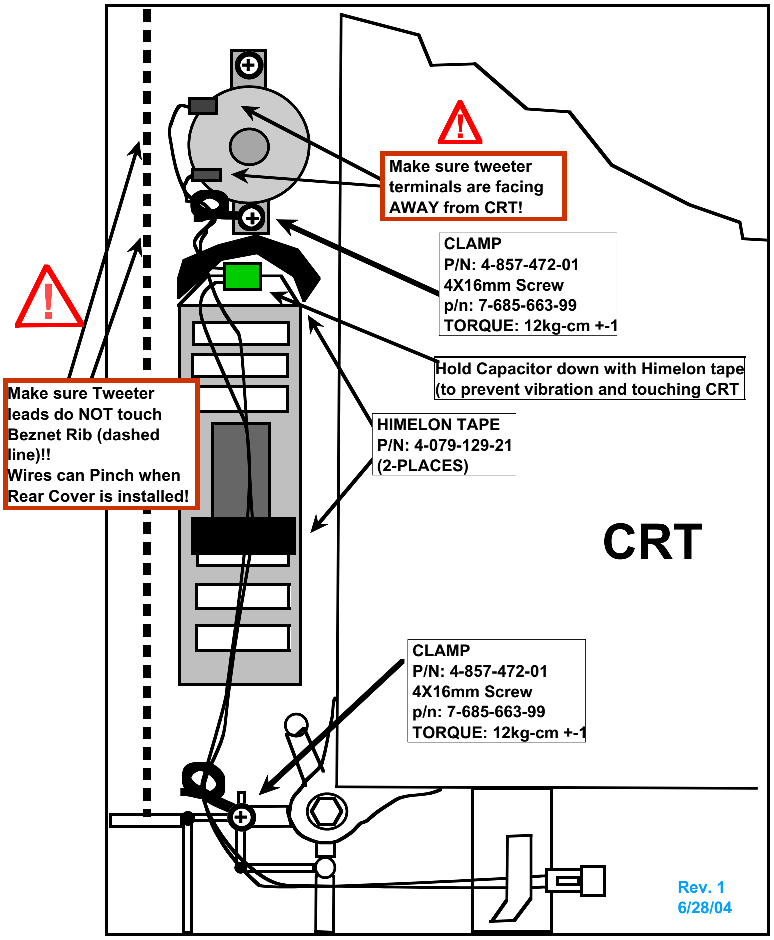


SPEAKER ASSY. WIRE DRESSING - LEFT SPEAKERS (KD-34XBR960 ONLY)

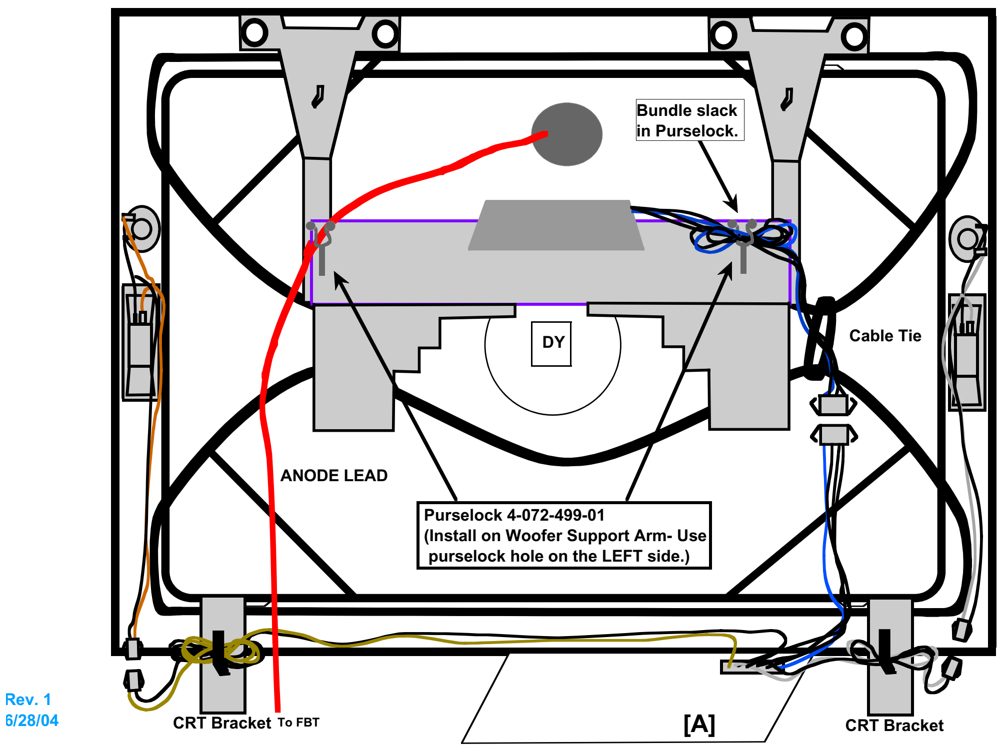


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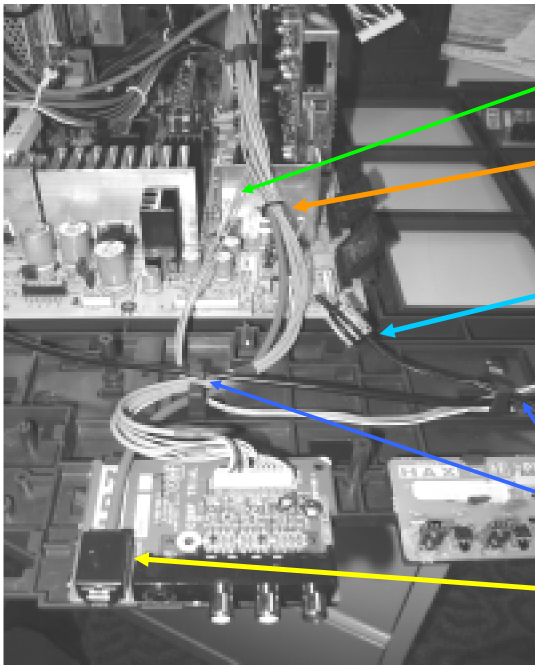
SPEAKER ASSY. WIRE DRESSING - RIGHT SPEAKERS (KD-34XBR960 ONLY)



WOOFER ASSY. WIRE DRESSING (KD-34XBR960 ONLY)



CHASSIS DRESSING - HBZ BOARD AND USB (KD-34XBR960 ONLY)



1-900-808-02: 4P Conn Assy. w/RED housings
Dressed OUTSIDE 9mm black purselock

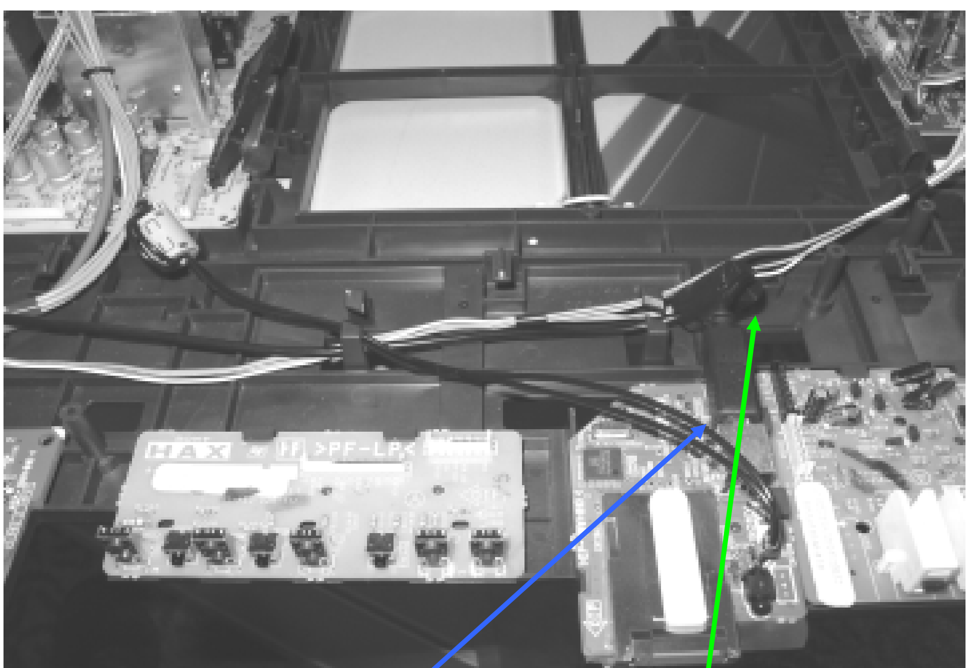
iLINK Cable (1-823-515-31) & 1-900-806-83: 11P Conn. Assy. w/RED Taping. Dressed INSIDE 9mm black purselock.

1-900-805-24 Double Ground Wire w/ferrite core
(p/n: 1-500-082-11)
NOTE: Tab on AZ-Bd (CN 519) is bent over in 45degree angle.

USB Cable (p/n:1-829-191-11) black cable routed in H-Bracket clips.

iLINK Cable (1-823-515-31) w/ I Holder plastic clip on HBZ-Bd
(p/n: 4-082-405-01)

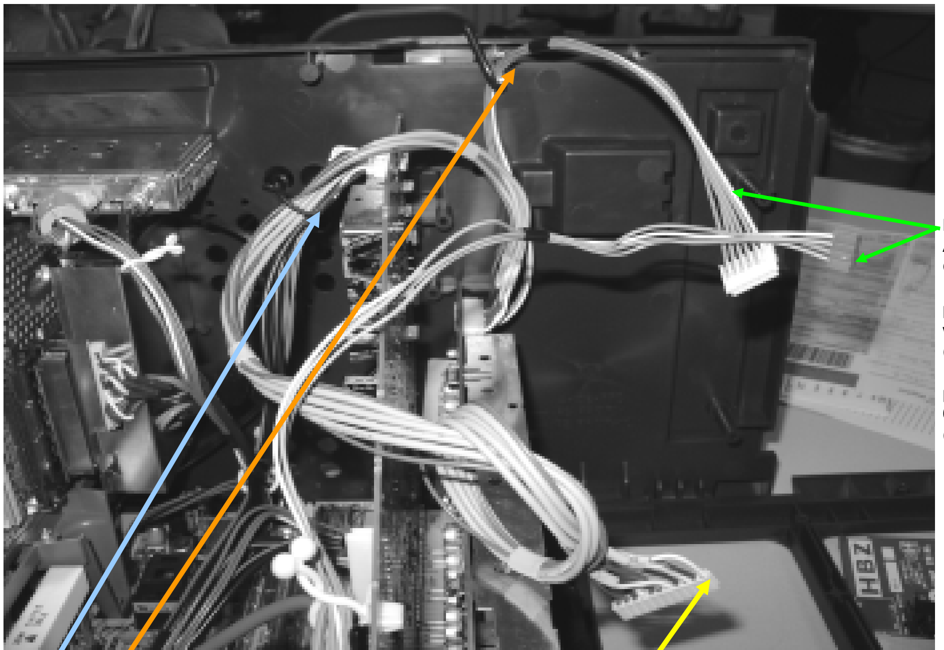
CHASSIS DRESSING - QH BOARD (KD-34XBR960 ONLY)



1-900-805-24 dressed in H-bracket clips.
NOTE: Mounted tab on QH board is bent 45degrees.
Also note ferrite core position (important for EMI).

USB CABLE dressed in H-Bracket clips.
NOTE Over-Molded Ferrite Position (important for EMI).

CHASSIS DRESSING - WY AND CX CONNECTORS (KD-34XBR960 ONLY)



BOTH Connectors
Assys.
Connect to WY-BD

p/n: 1-900-808-02
w/ RED housing
(WY-Bd to DL-BD)

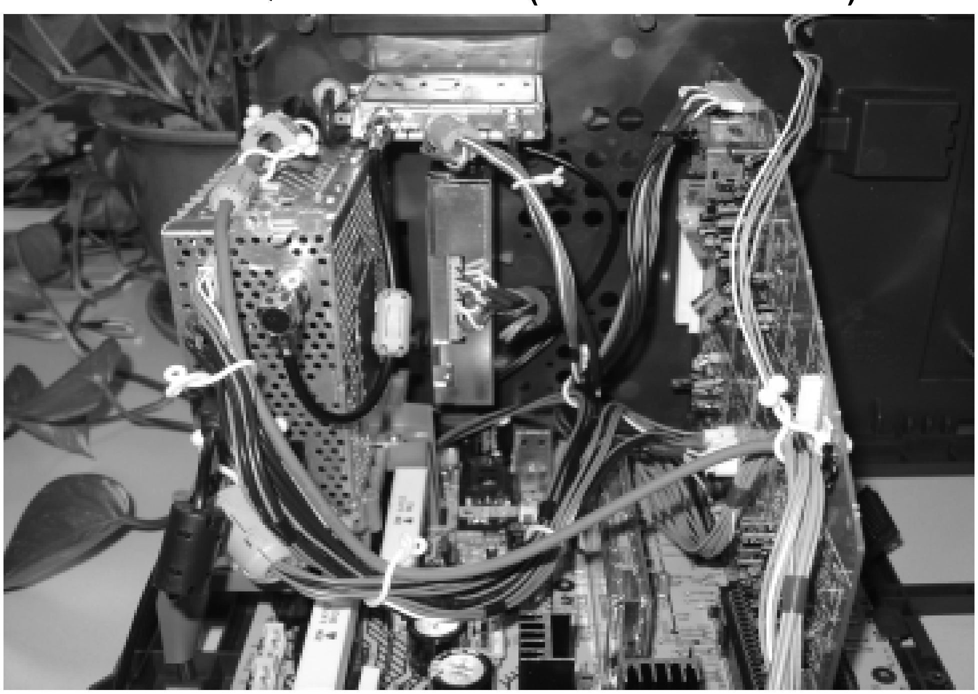
p/n: 1-900-808-32
6P Conn. Assy.
(BY-Bd to WY-BD)

11P Conn. Assy. w/Yellow Taping (p/n: 1-900-806-86) routed to CX-Bd.
NOTE: This Conn. Assy. Is routed INSIDE the 9mm black purselock.

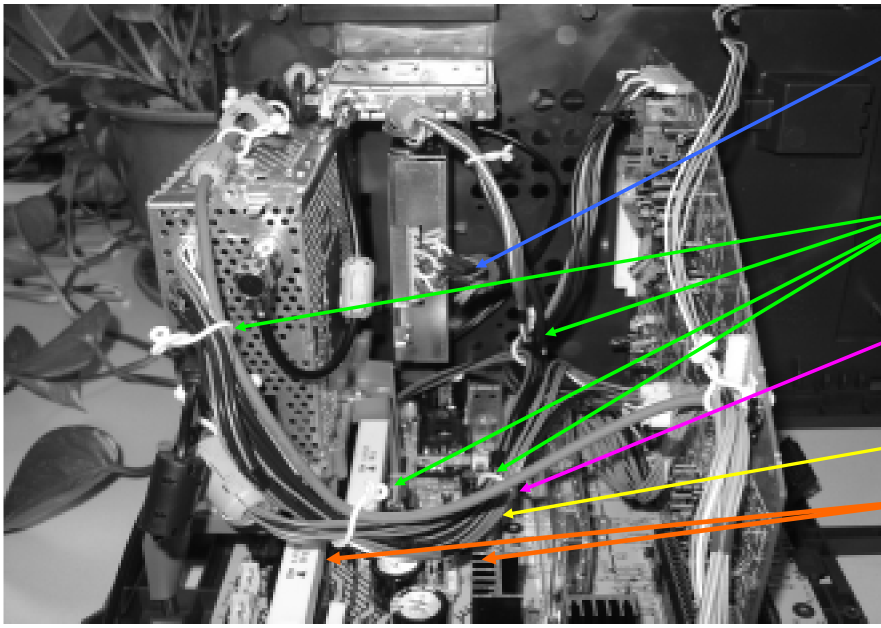
This end of 1-900-806-86 connects to CX-Bd
NOTE: KNOT is only for picture. DO NOT knot wires during actual dressing.

NOTE: 1-900-808-32, 6P Conn. Assy. Is routed INSIDE clamp (p/n: 4-857-472-01)

WIRE DRESSING - QBOX DRESSING (KD-34XBR960 ONLY)



WIRE DRESSING - QBOX DRESSING WITH CAUTIONS (KD-34XBR960 ONLY)



1-900-808-41 is dressed as far BACK as possible
EMI Reasons

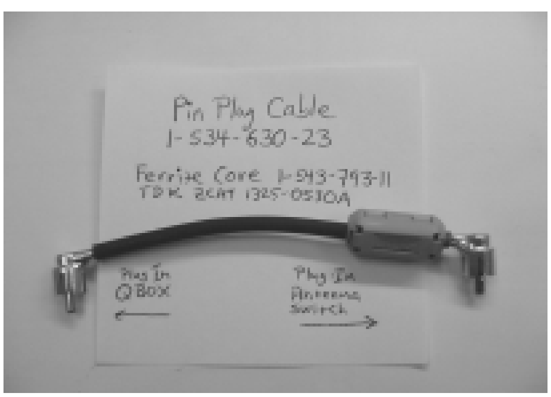
11mm purselock. p/n:3-703-983-02
Qty=4

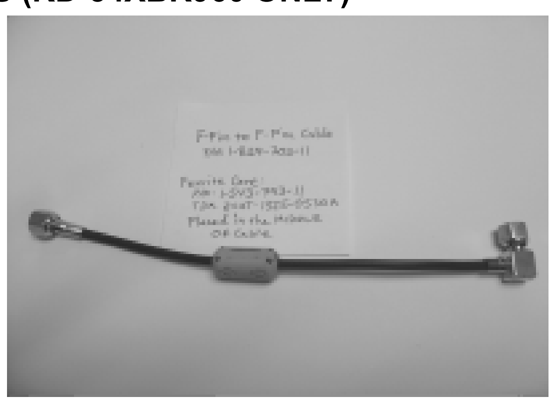
iLINK cable NOT dressed in this purselock

Main bundle dressed low as possible. EMI Reasons

DO NOT let wires touch Cement Resistor or heat sink

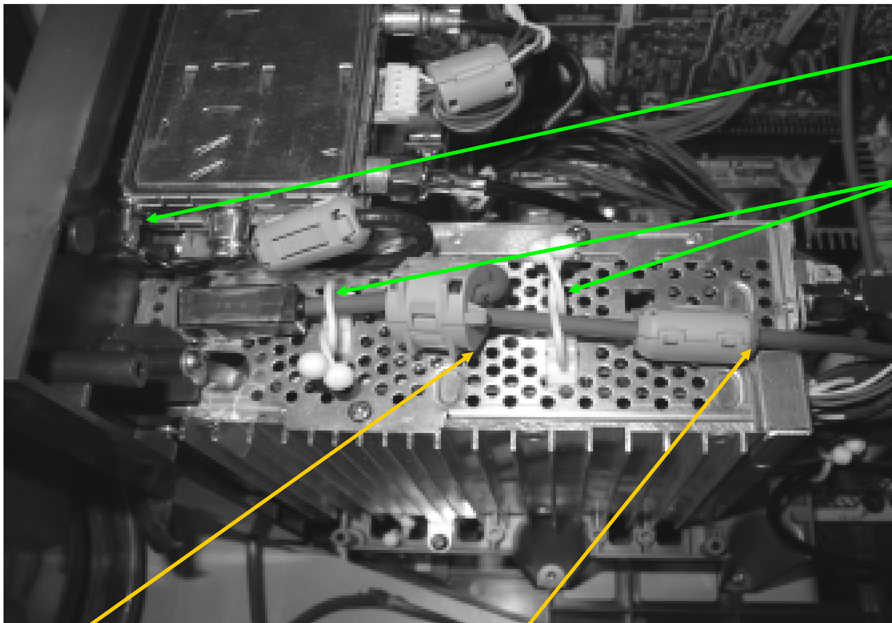
WIRE DRESSING - FERRITE ADDITIONS (KD-34XBR960 ONLY)





LOCATIONS OF FERRITE CORES
EFFECT EMI PERFORMANCE.
Please use caution when positioning ferrite cores!

WIRE DRESSING - TOP OF QBOX (KD-34XBR960 ONLY)



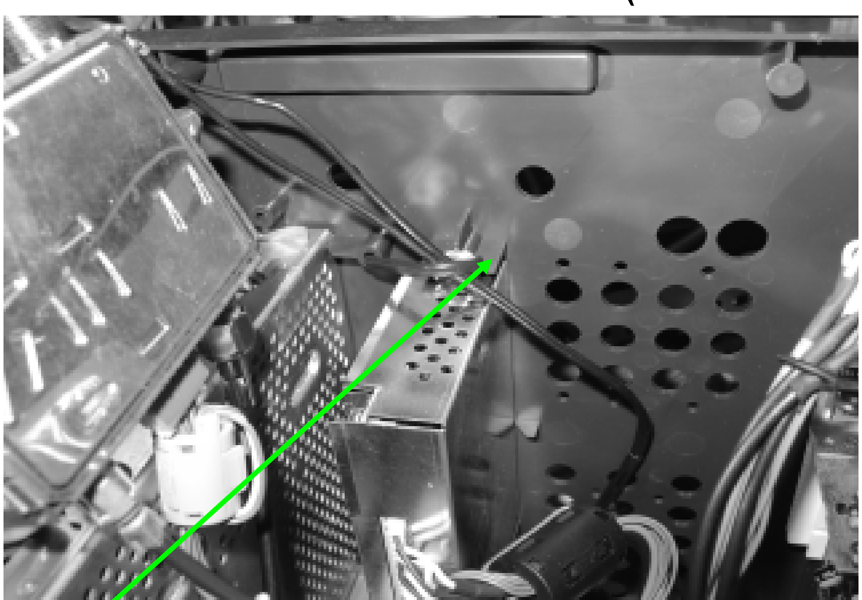
1-900-805-24 ground wire attached here on Antenna Switch

Note direction of purselocks and postion of ferrite cores

Ferrite Core: NOTE LOCATION- IMPORTANT for EMI
p/n: 1-500-484-21
TDK ZCAT-2017-0930-M

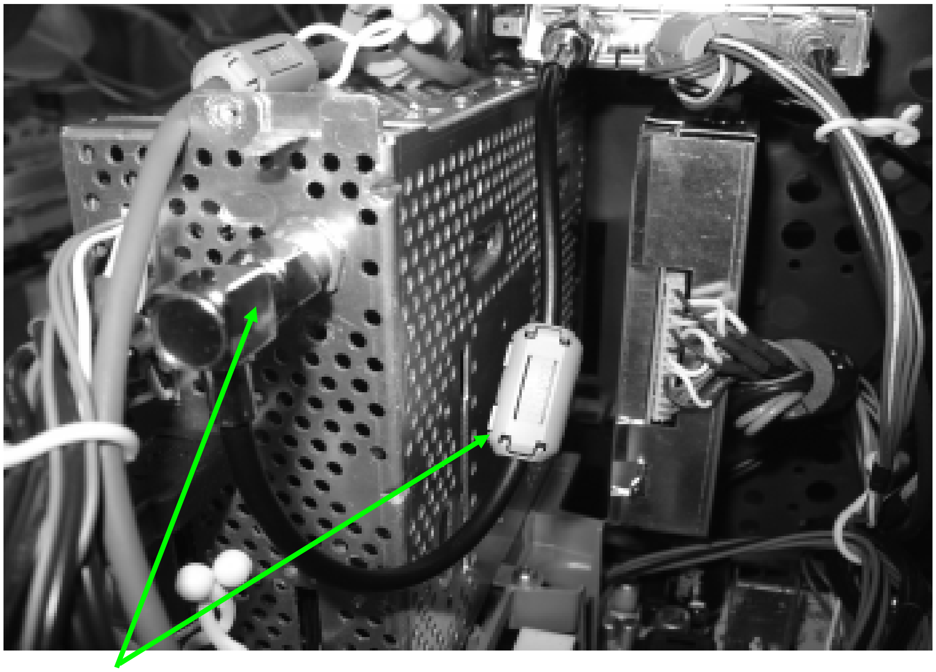
Ferrite Core: NOTE LOCATION- IMPORTANT for EMI
p/n: 1-543-793-11
TDK ZCAT-1325-0530A

WIRE DRESSING - ANT SW GROUND WIRE (KD-34XBR960 ONLY)



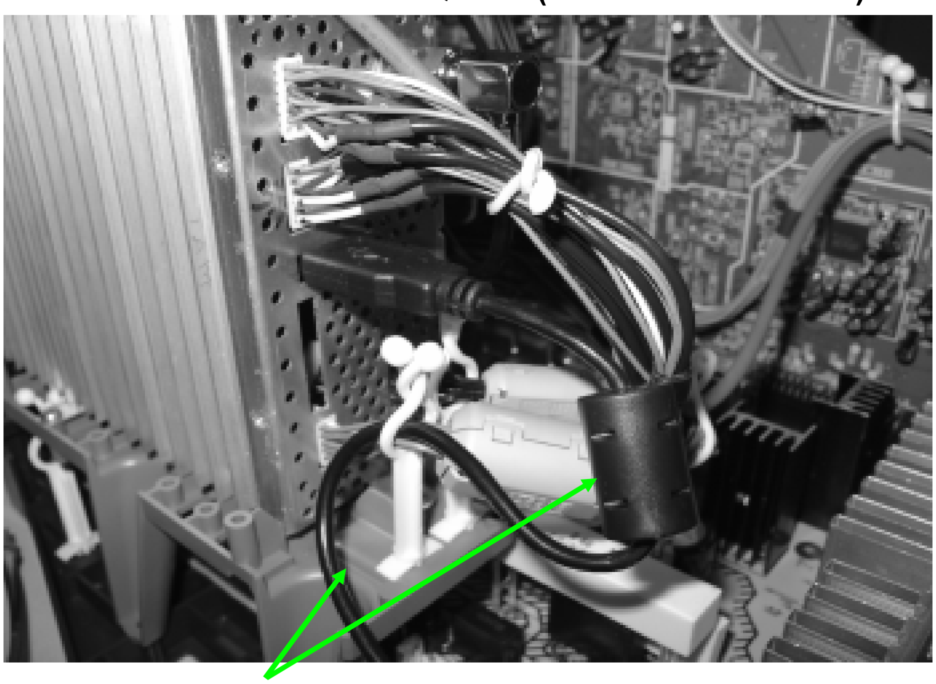
1-900-805-24 ground wire is dressed in wire clamp. p/n: 4-857-472-01
Wire is dressed BEFORE securing position of Antenna Switch.

WIRE DRESSING - F-PIN DRESSING (KD-34XBR960 ONLY)



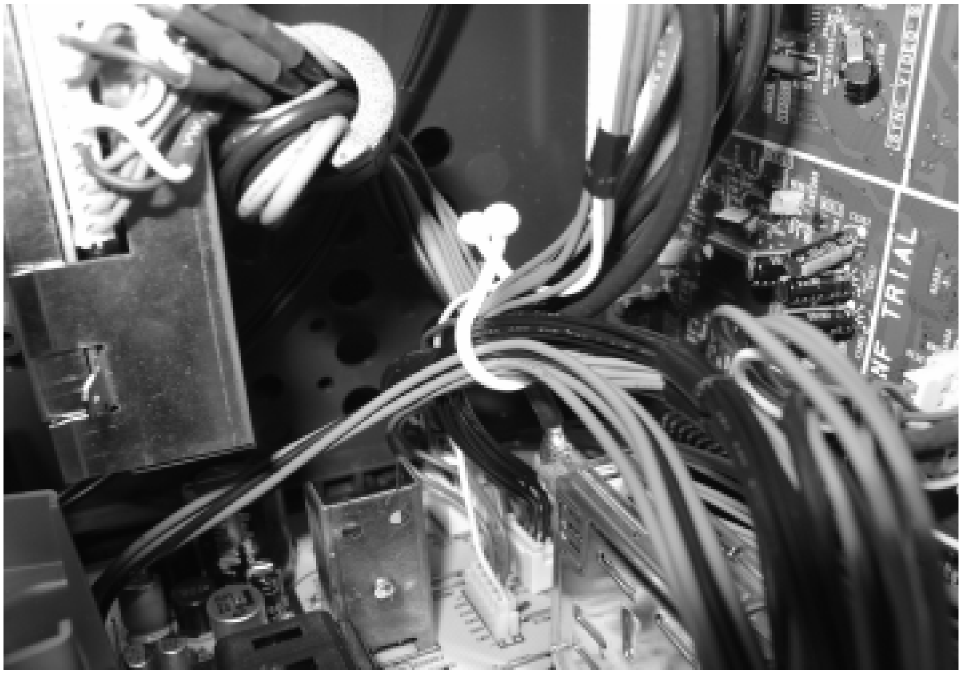
Note position (rotation of right-angle connector) of the cable/ferrite.
Do NOT dress the ferrite core so it can touch the Heat sink on the POD connector (not installed in this photo)

WIRE DRESSING -FRONT OF Q BOX (KD-34XBR960 ONLY)



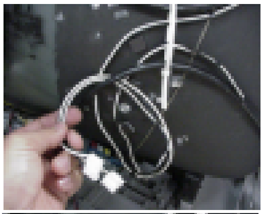
NOTE " Z " Routing of USB Cable routing (important for EMI).
Position of Ferrite Core is Important for EMI.

WIRE DRESSING - 11MM P BOARD CONNECTION (KD-34XBR960 ONLY)

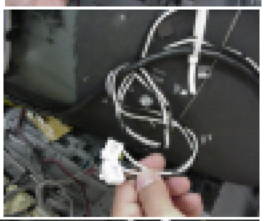


DCG LEAD WIRE DRESSING (ALL EXCEPT KD-34XBR960)

STEP1:
Make a loop in leads and route loop BEHIND The DGC Coil.

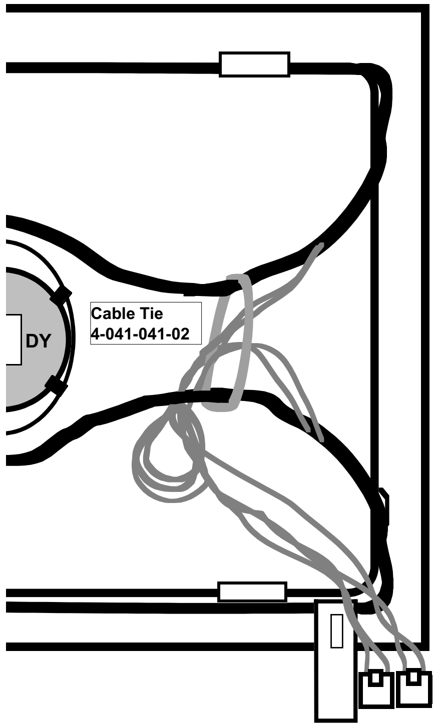


STEP 2:
Thread both connector housings through the loop in lead wires.



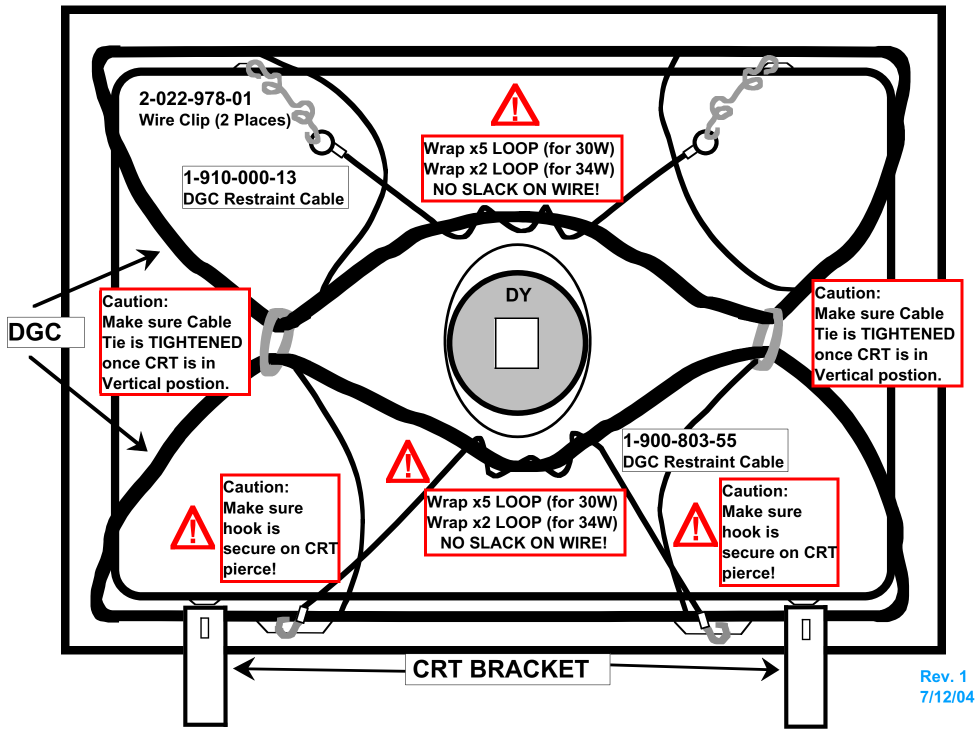
STEP 3:
Plug in connector housings into the [AZ] Board using the loop to take up slack.



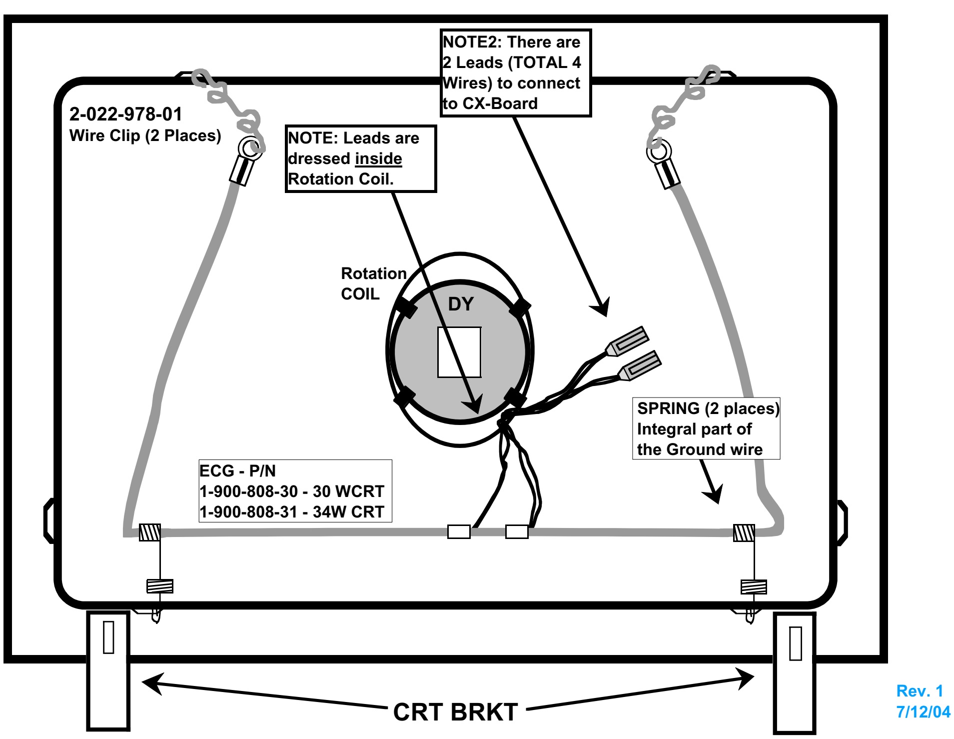


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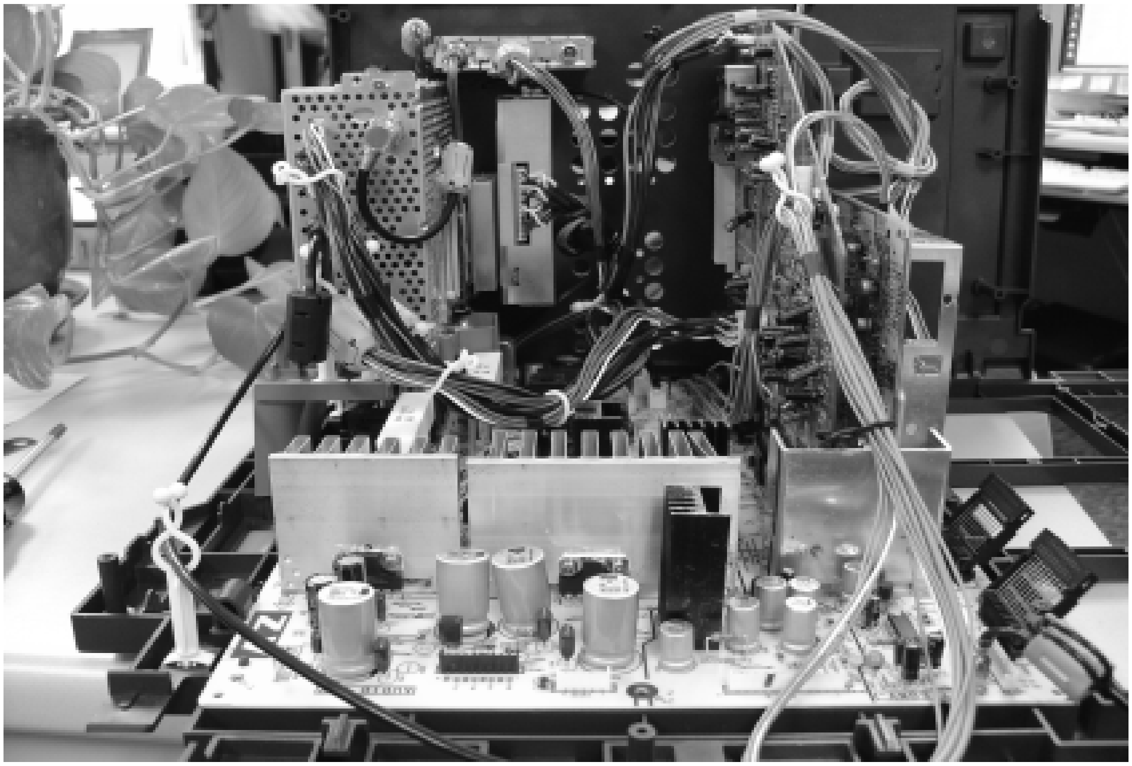
DGC ASSEMBLY CAUTION POINT (KD-30XS955/34SX955 ONLY)



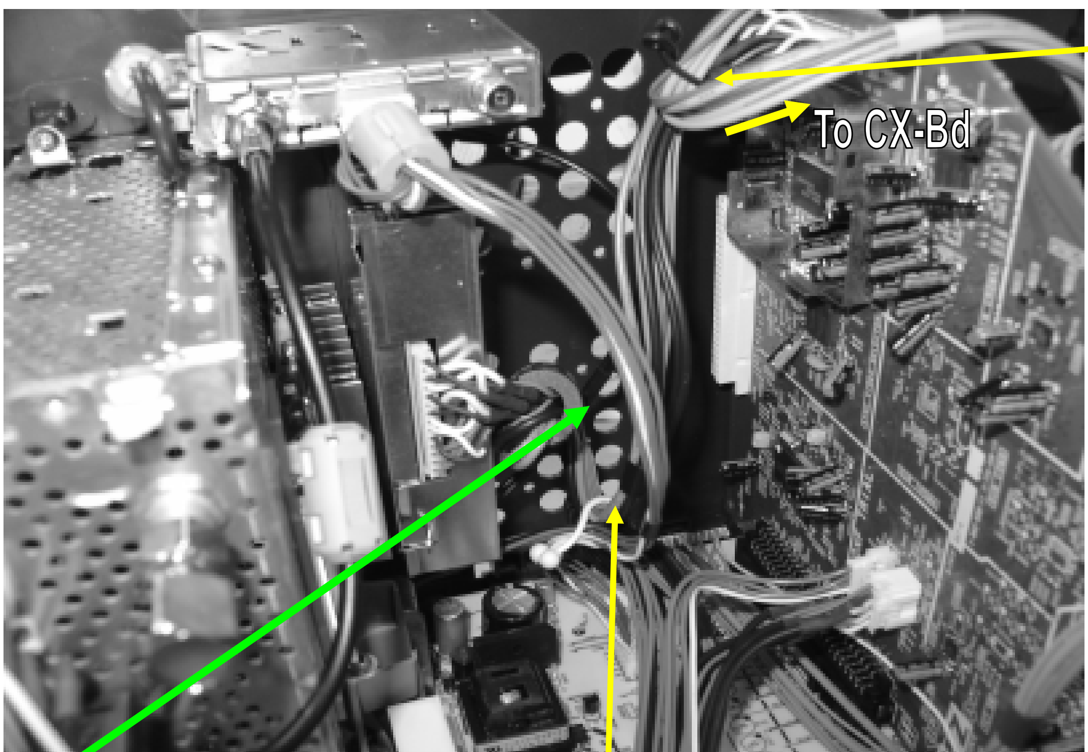
EGC WIRE DRESSING (KD-30XS955/34SX955 ONLY)



QBOX WIRE DRESSING (ALL EXCEPT KV-34XBR960)



CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)

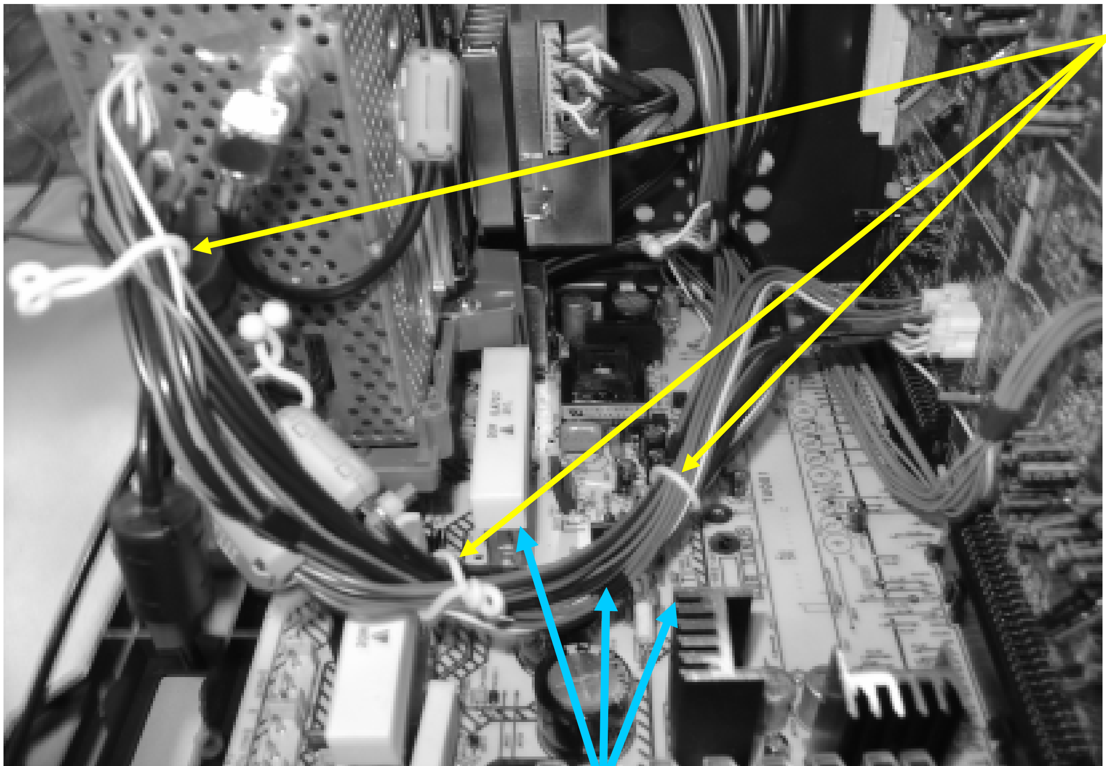


11P Conn. Assy.
(p/n: 1-900-806-86)
is dressed with 14P
Conn. Assy.
(p/n: 1-900-808-41)
with 9mm purselock
(p/n: 3-703-982-02)
NOTE direction of
wires in purselock.

CRITICAL POINT:
14P Conn. Assy. (P-shield to MZ-Bd, p/n: 1-900-808-41)
MUST be dressed as far back in the chassis as possible.
NOTE position of the ferrite core (adjacent to P-shield).

Note Direction of wires dressed in
11mm purselock (p/n: 3-703-983-02)

CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)

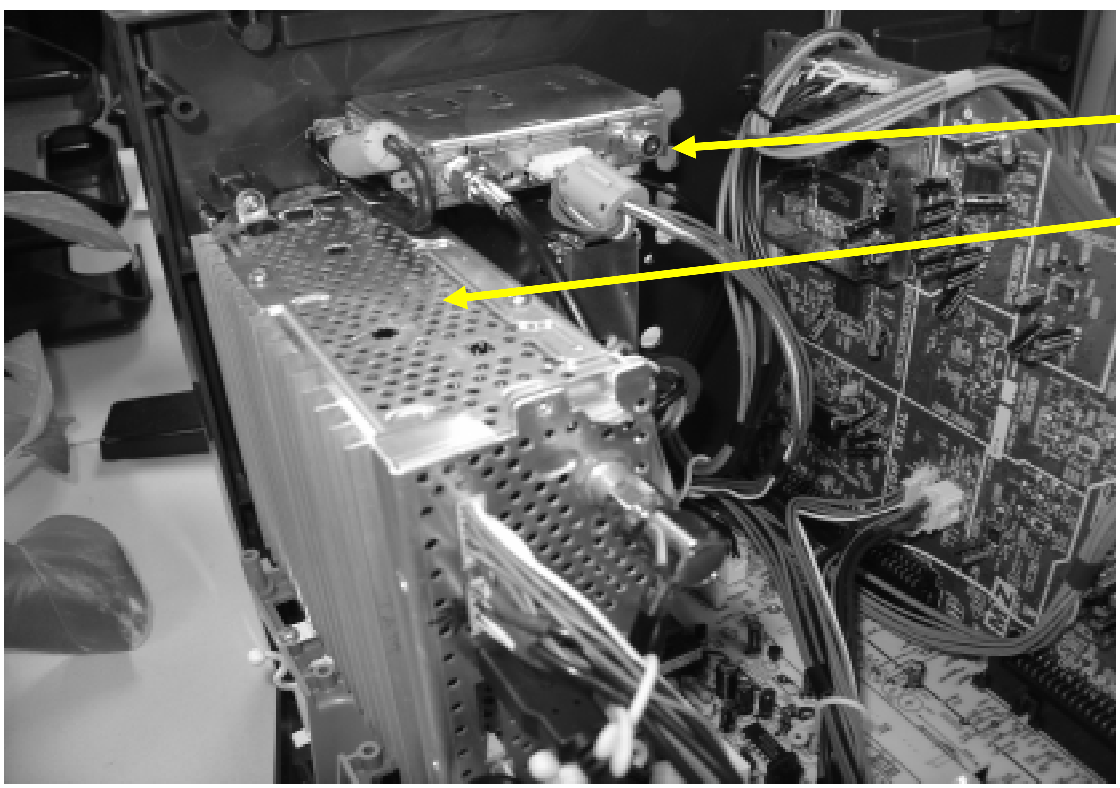


x3 11mm purselock

(NOTE positions of purselocks on main cable bundle.)

CRITICAL POINT:
Main cable bundle MUST be dressed as LOW as possible between cement resistor and heat sink. Wires cannot touch heat sink (sharp edges) or the cement resistor (very hot).

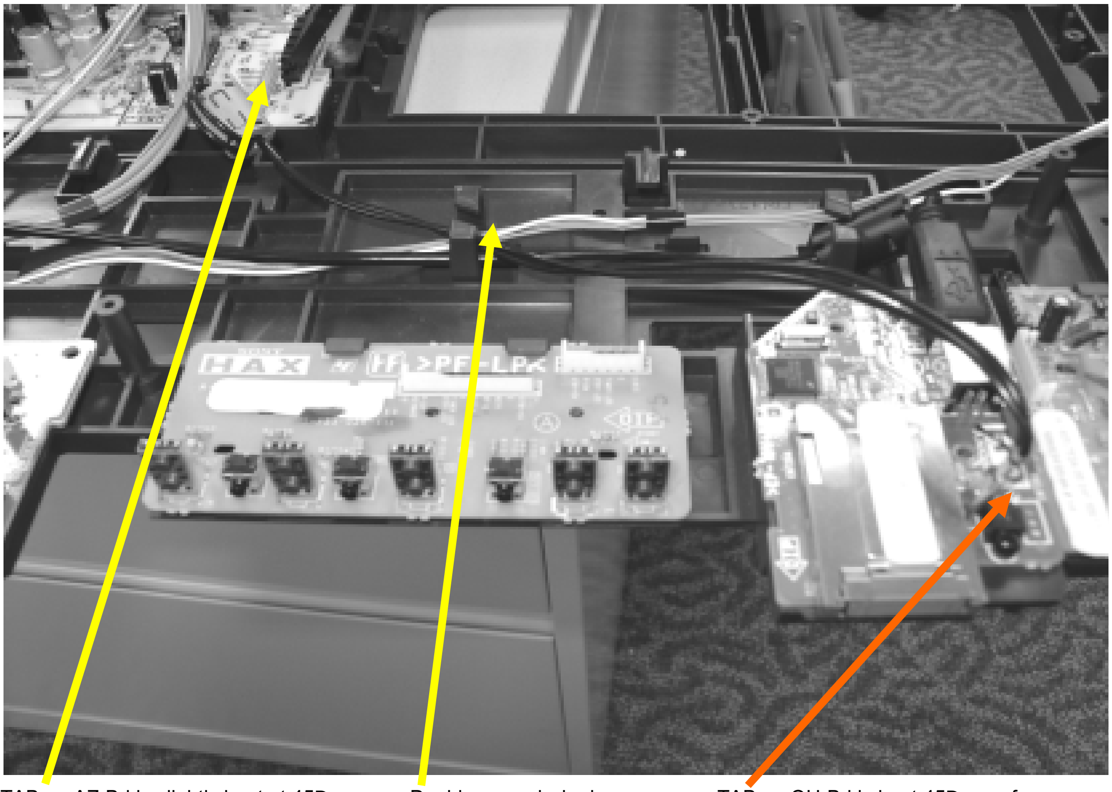
CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)



XS Models do NOT have Sub-Tuner Pin-Plug Cable

XS Models do NOT have iLINK (iEEE) Cable.

CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)

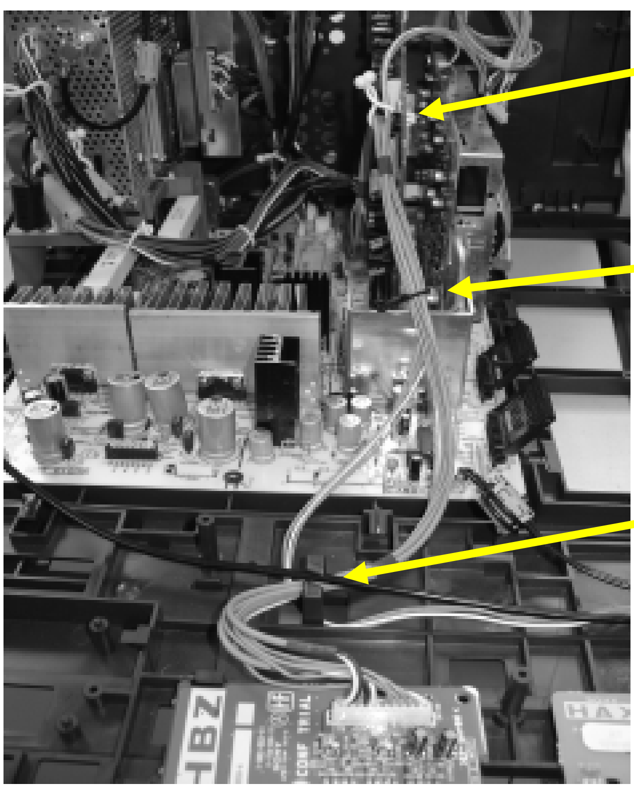


TAB on AZ-Bd is slightly bent at 45Ð angle (towards front of set)

Double ground wire is dressed in H-Bracket clip.

TAB on QH-Bd is bent 45Ðaway from memory stick connector.
Reason: If TAB is not bent over, wires may get snagged on DGC and break tab off PWB when inserting chassis into set.

CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)



UZ-Bd to HBZ-Bd Conn. Assy. (with Red taping, p/n: 1-900-806-83)
Dressed in purselock on MZ-Bd (p/n: 4-355-912-xx)
4P WY-Bd to DL-Bd Conn. Assy. (with Red Housing, p/n 1-900-808-02)

Both 1-900-806-83 and 1-900-808-02 dressed in 9mm purselock (p/n: 3-703-982-02)

Both 1-900-806-83 and 1-900-808-02 dressed in H-Bracket Clip
NOTE: Directions of cables INSIDE clip.
(Black cable dressed in H-Bracket clip is USB cable (QBOX to QH-Bd, p/n: 1-829-191-11)

SECTION 2: SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

VIDEO MODE: STANDARD (RESET)

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2)
5. White Balance

Test Equipment Required:

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital Multimeter

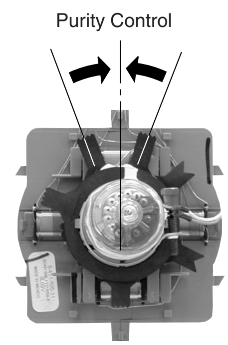
2-1. BEAM LANDING

Preparation:

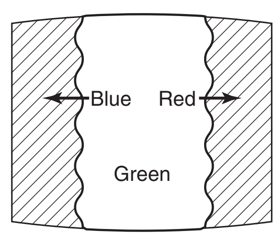
- Use cross hatch signal to rough adjust focus, G2 and then input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.
- Remove all magnets, wedges, and permalogy strips.
- Confirm data in service mode to match with CRT screen size.
  - Set 2170D-1 to their default settings.
    - VCEN 19
    - VPIN 15
    - HTPZ 15
  - Set 2170D-2 to their default settings.
    - PPHA 21
    - VANG 31
    - LANG 31
    - VBOW 31
    - LBOW 31
  - Set 2170D-4 to their default settings.
  - CXA8070 to their default settings.
- Set all user compensations to their default settings.
- Set landings to their default settings.
  - LT Left Top LCC Control 127
  - LB Left Bottom LCC Control 127
  - RT Right Top LCC Control 127
  - RB Right Bottom LCC Control 127

NOTE: Do not use the hand degausser; it magnetizes the CRT .

1. Input white pattern from pattern generator. Set the PICTURE control to maximum, and the BRIGHTNESS control to standard.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



3. Input a green pattern from the pattern generator.
4. Move the deflection yoke backwards, (See Figure 1) and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.

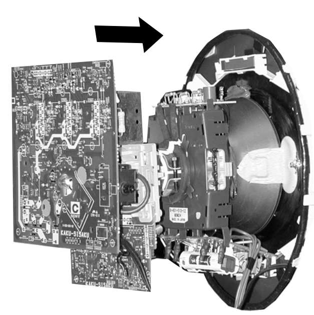
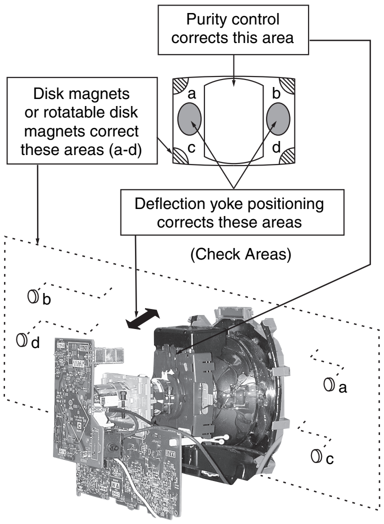


Figure 1

6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. Move the yoke up and down and/or side to side to find the best geometry. Once the best position is confirmed mount the rubber wedges to hold the yoke position in place for best geometry.
9. If landing at the corner is not right, adjust it by using the disk magnets.



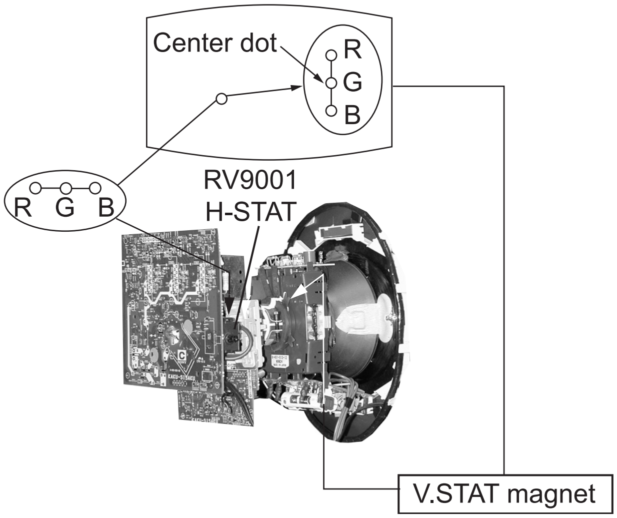
2-2. CONVERGENCE

Preparation:

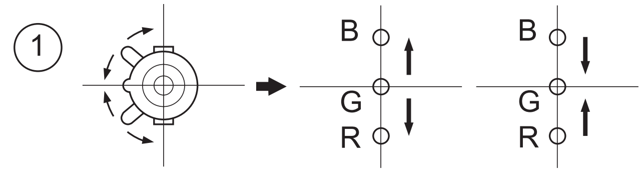
- Set the CONTRAST and BRIGHTNESS control to standard (reset).
- Input a cross hatch pattern signal.

2-2.1. VERTICAL AND HORIZONTAL STATIC CONVERGENCE

1. Set dynamic convergence to default values (as in 2-1. Beam Landing) or disconnect the dynamic convergence before adjusting static convergence (CN903), except for minor touch-up.
2. Adjust H.STAT convergence, RV9001, on CX Board to converge red, green, and blue dots in the center of the screen.
3. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen.



4. Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



2-3. V-PIN AND V-CEN ADJUSTMENT

Preparation:

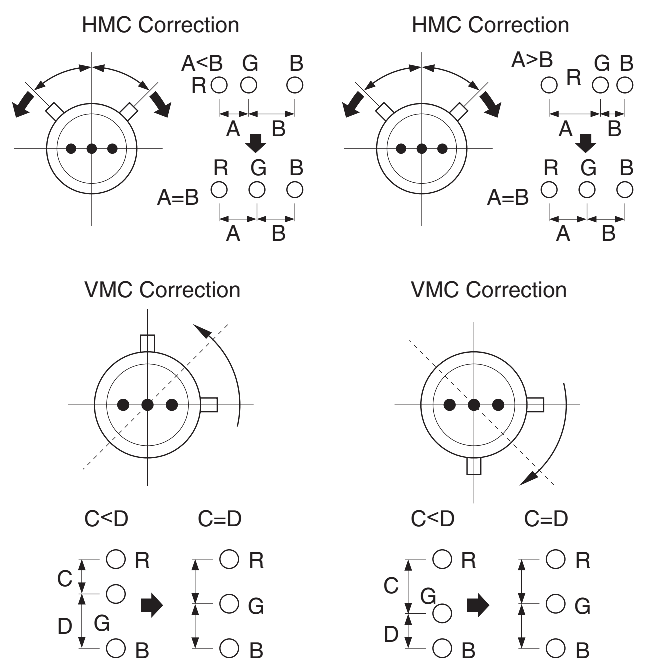
- Input a cross hatch pattern signal.
- Set Video Mode to: Standard (Reset)
- For all 4X3 CRT, VPIN data has separate register for full and V-compress. Adjust both modes if needed.
- For all 16X9 CRT, adjust VPIN data in normal mode for straightness of horizontal line.

1. Adjust service mode CXA2170D-1 05 V-CEN so that the top pin and bottom pin are symmetrical from top to bottom.
2. Adjust service mode CXA2170D-1 06 V-PIN so that the top pin and bottom pin are symmetrical from top to bottom.
3. Horizontal lines should be straight from left to right. Check landing for side effect.

2-3.1. OPERATION OF BMC (HEXAPOLE) MAGNET

The respective dot positions result from moving each magnet interact. Perform the following adjustments while tracking.

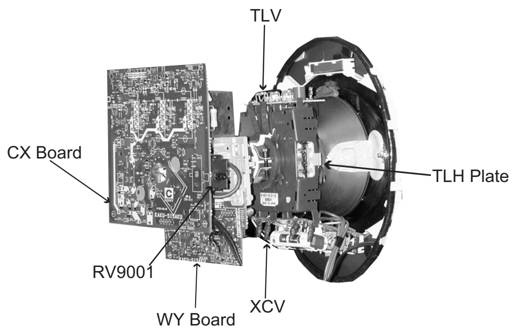
1. Use the BMC tabs to adjust the red, green and blue dots so that they line up at the center of the screen (move the dots in a horizontal direction).

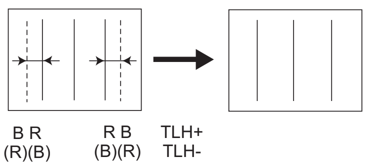


2-3.2. TLH PLATE ADJUSTMENT

Preparation:

- Input a cross hatch pattern signal.
- Adjust unbalanced horizontal convergence of red and blue dots by adjusting the TLH Plate on the deflection yoke.





1. Adjust XCV core to balance X axis.
2. Adjust the vertical red and blue convergence with V.TILT (TLV VR).

   Note: Perform adjustments while tracking Item 1.

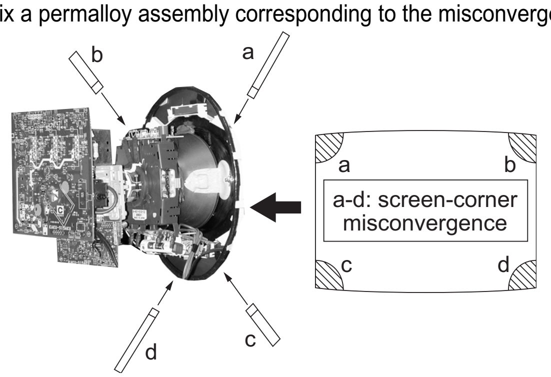
   Note: When static convergence adjustments are complete, restore dynamic convergence.

2-3.3. SCREEN-CORNER CONVERGENCE

Preparation:

- Input a cross hatch pattern signal.

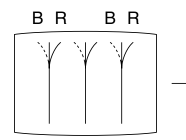
1. Affix a permalloy assembly corresponding to the misconverged areas.



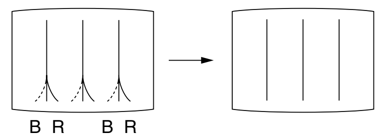
2-3.4. DYNAMIC CONVERGENCE ADJUSTMENTS

- Set dynamic convergence using the following service registers. Note areas of change.
- Only H-component can be corrected, for vertical component use permalloy to compensate.

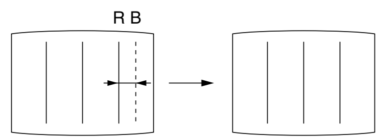
0. YBWU (Upper Y-BOW)



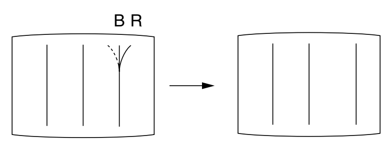
1. YBWL (Lower Y BOW)



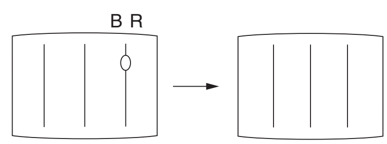
2. RSAP (Right H AMP)



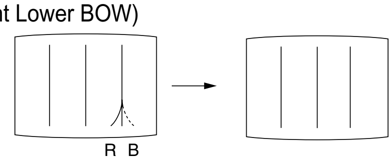
3. RUBW (Right Upper BOW)



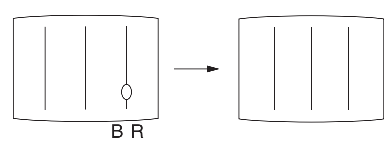
4. RUMB (Right Upper Middle BOW)



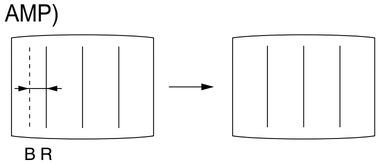
5. RLBW (Right Lower BOW)



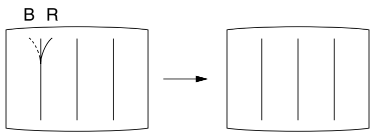
6. RLMB (Right Lower Middle BOW)



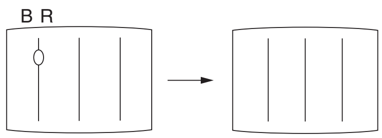
7. LSAP (Left H AMP)



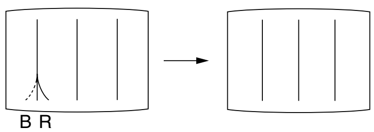
8. LUBW (Left Upper BOW)



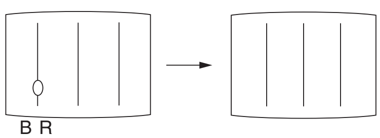
9. LUMB (Left Upper Middle BOW)



10. LLBW (Left Lower BOW)



11. LLMB (Left Lower Middle BOW)



12. CADJ Fix 29

2-4. FOCUS ADJUSTMENT

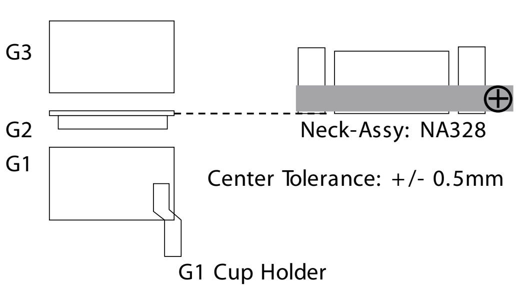
Confirm neck assembly Z axis position. (See Figure 1)

1. Input a dot signal.
2. Set Video Mode to STANDARD.
3. Adjust focus VR counter clockwise (Over Focus) to confirm the dot's shape. Center should be very slightly oval with left and right sides balanced.
4. Input a HD monoscope signal.
5. Confirm center focus with focus VR.

KD-34XBR960/34XS955/36XS955

CRT: 36RDE/38RFN (Super-fine pitch and square fannel)

Neck Assy:NA328 (VA-type, square pin assignment, VPIN harness)



KD-30XS955

CRT: 32RDE (Super-Fine Pitch and square fannel)

Neck Assy:NA2920 (VA-Type, Square pin assignment, VPIN harness)

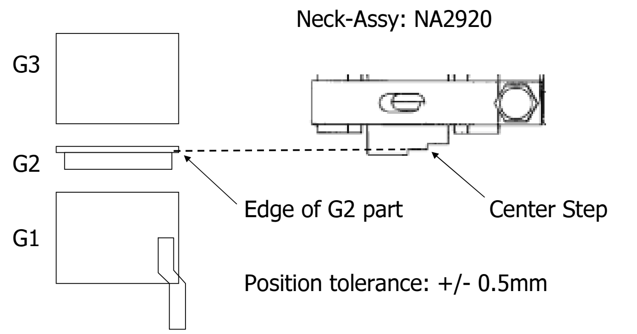
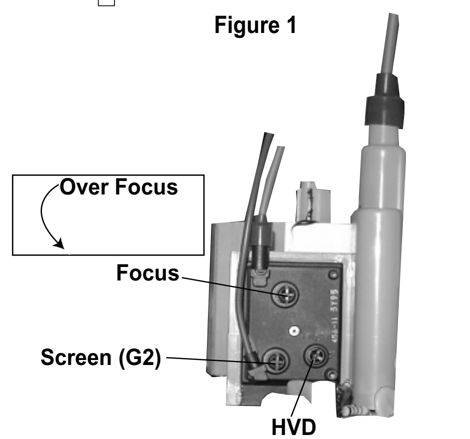
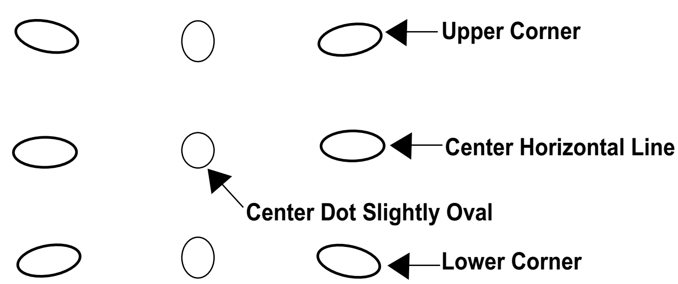


Figure 1



DQP Dot Pattern



NOTE: Changing neck assembly position will affect corner convergence.

2-4.1. DYNAMIC FOCUS/DYNAMIC QUADRA-POLE DATA

Normally, no adjustments are necessary for these systems. If for some reason the data is lost, use the data from Table 1 below:

1. Write the data from any non-vertically compressed mode, then use the CPY1 function (CXA2170D-4 Item 6) to copy the data to the vertical compressed modes.

   Note: V-compressed data is identical to non-v-compressed data. Service personnel with a trained eye can adjust the DF or DQP registers to adjust DF phase (Item 7) or DQP phase (Item 8), respectively, to balance left and right focus. Refrain from adjusting more than 5 steps from table data below. Further adjustment indicates a circuit problem -- troubleshoot to cause.

   CAUTION: Be sure that Neck Assembly is in the proper location. Mark position before moving or replacing neck assembly.

(See Section 2-4 Figure 1 - before changing DF/DQP data or troubleshooting circuit when DF/DQP is suspect.)

Procedure to adjust or check:

1. Short Q8018 B-Gnd to disable DF.
   B Mark is on the circuit board. Circuit connection changes should always be done with the power off.
   CAUTION: Q8018 heatsink is live and peak voltage is 250V.
2. Input a cross hatch signal.
3. Change CXA2170-P2 item 2 RGBS to 2 to make green only.
   1. Overfocus to adjust DQP phase. Adjust the data (CXA2170-D4 item 8) to balance left and right vertical line width.
   2. Once DQP is balanced, remove the short from DF circuit and refocus the set.
   3. Adjust DF (CXA2170-D4 item 7) to balance left and right vertical line width.
   4. Reconfirm focus performance.

	30	34	36
QPAM	33	45	22
QPAV	46	47	40
QPAP	6	6	6
QPDC	29	42	17
QPDV	59	63	52
QPDP	6	6	6
DF	40	36	36
DQP	38	37	37

Table 1

2-5. SCREEN (G2)

1. Input composite white field into Video 1.
2. Set to service mode and adjust as follows:

(Fig. 1)	Opeartion Procedure	Standards	Notes
CXA2170P-2 PICO 1-> 0	1) In Full mode, apply changes in Fig. 1 2) Mount G2 adjustment jig. Adjust Cathode voltage if the standard is not met. Standard varies by CRT size. 3) Adjust G2 by Flyback transformer (T8001). 4) Return data changes in 1) to original condition.	170 +/- 5 (V_{DC})	32RDE, 36RDE, 38RFN

2-6. PICTURE QUALITY ADJUSTMENTS

Preparation:
- Set PRO MODE (Reset).

1. Input signal (480i Composite):
   - Color Bar Video 75 IRE (White) 75% modulation 7.5% Set-up.
   - Color Bar RF 75 IRE (White) 75% modulation 7.5% Set-up.

2-6.1. VIDEO INPUT - SUB CONTRAST ADJUSTMENT

Preparation:
- Input a Color Bar signal to VIDEO 1 (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE Reset).
- Picture: Max
- Color: Min

1. Set to Service Mode and adjust as follows:

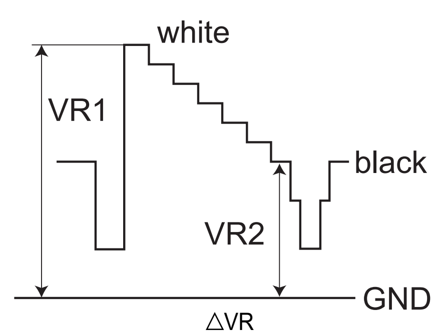
2170P-2

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	4

2. Connect oscilloscope to Pin 1 of CN9001 (R.DRV) on the CX Board.
3. Adjust contrast according to the service mode item: SPIO.

2103-1

NO.	Name	Control Function
02	SCON	SUB-CONT



(32XS/34XBR/34XS/36XS) = 1.60 ± 0.05 Vpp

4. Write data from Step 3 above, into memory.

2-6.2. VIDEO INPUT - SUB HUE/SUB COLOR ADJUSTMENT

Preparation:

- Input a Color Bar signal to VIDEO 1 (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE Reset).
- Picture: Max

1. Set to Service Mode and adjust as follows:

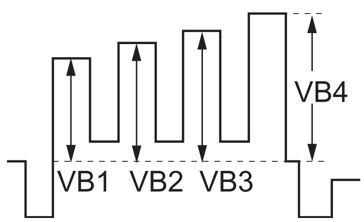
2170P-2

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	7

2. Connect an oscilloscope to Pin 5 of CN9001 (B. DRV) on the CX Board.
3. 0Adjust color according to Service Mode for SCLO.
4. Adjust color according to Service Mode for SHUO.

2103-1

NO.	Name	Control Function
03	SCOL	SUB-COL
04	SHUE	SUB-HUE



COLOR: VB1 ≤ VB4 (=20mV ± 200 mV)

HUE: VB2 ≤ VB3 (=20mV ± 200 mV)

5. Write data into memory.

2-6.3. RF INPUT - SUB CONTRAST ADJUSTMENT

Preparation:

- Input a Color Bar signal to RF (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE).
- Picture: Max
- Color: Min

1. Set to Service Mode and adjust as follows:

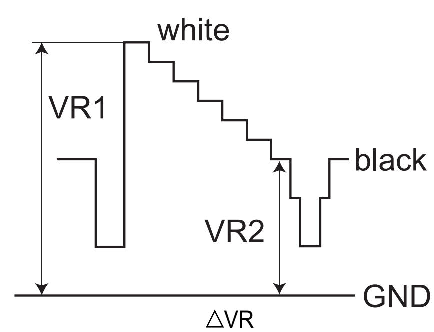
2170P-2

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	4

2. Connect an oscilloscope to Pin 1 of CN9001 (R. DRV) on the CX Board.
3. Adjust contrast according to service mode for SCON.

2103-1

NO.	Name	Control Function
02	SCON	SUB-CONT



(32XS/34XBR/34XS/36XS) = 1.60 ± 0.05 Vpp

4. Write data from Step 3 above, into memory.

2-6.4. RF INPUT - SUB HUE/SUB COLOR ADJUSTMENT

Preparation:

- Input a Color Bar signal to RF (75 IRE 75%).
- Set picture mode: single (FULL) (PRO MODE Reset).
- Picture: Max

1. Set to Service Mode and adjust as follows:

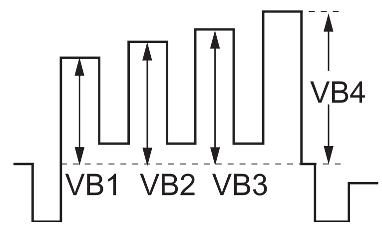
2170P-4

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	7

2. Connect an oscilloscope to pin 5 of CN9001 (B. DRV) on the CX Board.
3. Adjust color according to Service Mode for SCOL.
4. Adjust color according to Service Mode for SHUE.

2103-1

NO.	Name	Control Function
03	SCOL	SUB COLOR
04	SHUE	SUB HUE



COLOR: VB1 $\leq$ VB4 (=20mV ± 200 mV)

HUE: VB2 $\leq$ VB3 (=20mV ± 200 mV)

5. Write data into memory.

2-7. WHITE BALANCE (CRT) AND SUB BRIGHT ADJUSTMENT

Preparation

- Input an all white 480I (15.734 KHz) signal into the VIDEO 1 input terminal to perform the White Balance (highlight, cut-off) adjustments. The parameters to adjust are in the CXA2170P1 in Service Mode.
- Set Picture Mode: Single (FULL) (POR MODE Reset)
- Picture: Max
- Color: Min

WHITE BALANCE ADJUSTMENT PROCEDURE (Composite White Field signal into Video 1)

Highlight and Cutoff Specification

Old Calibration	New Calibration
9300K + 8MPCD	10900K + 2MPCD
R/G = 1.000 B/G = 1.000	R/G = 1.007 B/G = 1.139
x = 0.284 y = 0.298	x = 0.276 y = 0.284

WB701 Preset		R/G	B/G
	32RDEN	0.775	0.915
	36RDE	0.770	0.930
	38RFN	0.713	0.903

Condition

Picture Mode: Single (Full)
Picture Setting: Pro

Color Temp: Neutral

Picture: 63 write to 86h:01h:FFh
Color: 0 write to 86h:03h:00h

Adjustment Registers (Service Mode)

Register	Address
RDRV (fixed)	2170P-1-06
GDRV	2170P-1-07
BDRV	2170P-1-08
RCUT (fixed)	2170P-1-09
GCUT	2170P-1-10
BCUT	2170P-1-11

	PART NO.	DESCRIPTION	Qty	Tools/instruments	Q'ty
1					
2					
3					
4					
5					
8					

NO.	DATE	REVISIONS	SIGN	SST
4x				
3x				
2x				
1x		Drawing No. registration		

TITLE: White Balance Adjustment (2) TS-6999-988M-01

2-7.1. COLOR OFFSET ADJUSTMENT PROCEDURE

Preparation:
- Input an all white (30 IRE) signal to the specified input.
- Adjust the white balance using the specified registers.
- Set picture mode: Single (FULL) (PRO MODE Reset)
- Color: Max

VIDEO 1

CXA2170P1

NO.	Name	Control Function
3	CBOF	CB OFFSET
4	CROF	CR OFFSET

VIDEO 5

CXA2170P1

NO.	Name	Control Function
3	CBOF	CB OFFSET
4	CROF	CR OFFSET

VIDEO 7 -

CXA2170P1

NO.	Name	Control Function
3	CBOF	CB0F (FROM VIDEO 5) + 3
4	CROF	CR0F (FROM VIDEO 5) - 4

2-8. H RASTER CENTER ADJUSTMENT

Preparation:
- Input a monoscope signal.
- Set to NTSC (DRC) mode.

1. Set to Service Mode and adjust as follows:

CXA2170P-2

NO.	Name	Control Function	Data
05	AGNG	AGING 1, AGING 2	2

CXA2170D-2

NO.	Name	Control Function	Avg. Data
01	HPOS	Horiz Position	31
02	HSIZ	Horiz Size	31

CXA2170D-3

NO.	Name	Control Function	Avg. Data
00	HBLK	Blanking Enable	0

2. Reduce HSIZ to see sides of raster. (See Figure A)
3. Adjust H-Center with CXA2170D-2.
4. Adjust to the best screen position with H-CENT and write data.
5. Restore aging, HSIZ and HBLK to original condition.

Raster Edge Equal:

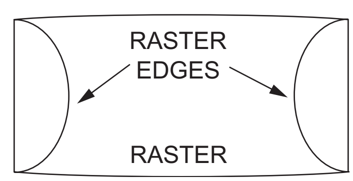


Figure A

2-9. PICTURE DISTORTION ADJUSTMENTS

2-9.1. NTSC (DRC) FULL MODE ADJUSTMENT

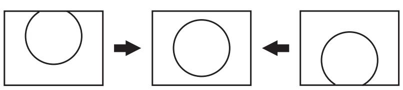
1. Face the picture tube in an east-west direction. (For best condition.)
2. Input a monoscope and crosshatch signal.
3. Adjust the picture distortion with the two signals to balance the best condition between the two.
   Use the CXA2170-D1 and -D2 adjustable data items shown.
4. Complete V-PIN and V-CEN adjustments first and adjust HPTZ to straighten and parallel top and bottom lines.
5. Adjust VSCO, VLIN as necessary.
6. Adjust VSIZ and VPOS and write the data.
7. Adjust for Vertical line distortion.
8. Adjust VANG, VBOW, LANG, LBOW.
   Note: Keep LANG and LBOW data between 5 and 58.
9. Finish with UCP, LCP, PPHA, PIN adjustments.
10. Check SLIN, MPIN. Adjust for correct HSIZ and HPOS and write the data before changing modes.

NOTE: Make sure that the picture size is within specs. Vertical size is 11.8 ± 0.1 sq. and horizontal size is 15.8 ± 0.1 sq.

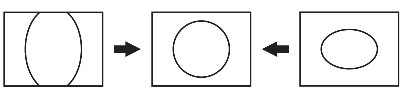
.

CXA2170D-1

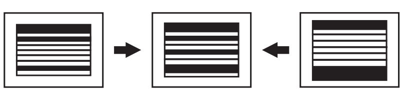
Item 0. VPOS (V-POSITION)



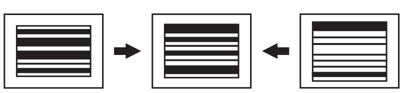
Item 1. VSIZ (V-SIZE)



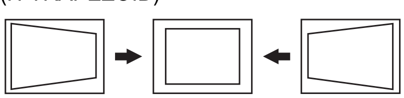
Item 3. VLIN (V-LINEARITY)



Item 4. VSCO (V S-CORRECTION)

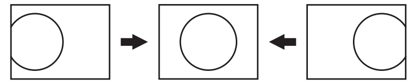


Item 9. HTPZ (H-TRAPEZOID)

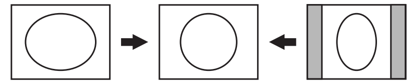


CXA2170D-2

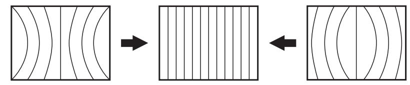
Item 1. HPOS (H-POSITION)



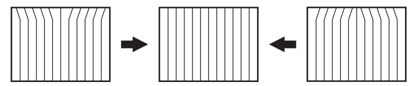
Item 2. HSIZ (H-SIZE)



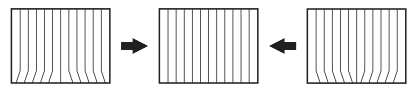
Item 5. PIN (PIN AMP)



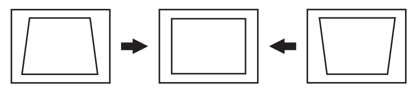
Item 7. UCP (UP COR PIN COR)



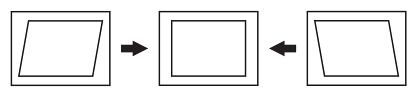
Item 8. LCP (LOW CO PIN COR)



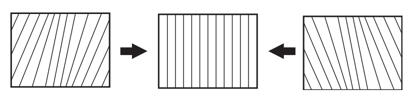
Item 14. PPHA (PIN PHASE)



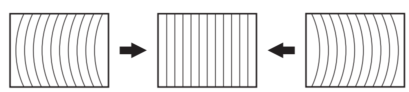
Item 15. VANG (AFC-ANGLE)



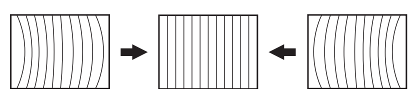
Item 16. LANG (L-ANGLE)



Item 17. VBOW (AFC-BOW)



Item 18. LBOW (L-BOW)



2-9.2. 1080I HD MODE ADJUSTMENT

1. Input a 1080i cross-hatch signal and an HD monoscope full signal that contains overscan markers. (From service mode, verify 1080I mode).
2. If this procedure was not performed for full mode, adjust the raster position per Section 2-8. H Raster Center Adjustment.
3. Adjust the geometry similar to Full DRC mode.
   Vertical size is 11.7 ± 0.1 sq. and horizontal size is 15.6 ± 0.1 sq., if monoscope signal is available. Otherwise, set the Vertical size to 91.0 ± 0.6% scan and Horizontal size as 91.0 ± 0.6% scan.
4. Adjust HPOS as necessary.

   Note: If necessary, touch up the geometry using the data registers listed above for full mode. Check NTSC full mode for adjustment side effects because some data registers are shared between modes, in which case a balance must be achieved.
5. Write the data into memory before changing modes.

2-9.3. VERTICAL COMPRESSED MODE CHECK AND CONFIRMATION (FOR 4X3 CRT ONLY)

1. Input a monoscope and crosshatch signal.
2. Set CXA2170-P4 item 26 IDSW to 4 (VC 960i).
3. Check for vertical compressed mode distortion.
4. Adjust VPIN as necessary to correct upper lower horizontal line straightness. Adjust other registers in Full mode above as necessary, being careful to balance any shared data effect between modes.
5. Repeat steps 3 and 4 for IDSW set to 3 (VC 1080i).
6. Write the data before changing modes.

2-9.4. NORMAL, ZOOM AND WIDE ZOOM MODES

1. Check Normal and Zoom modes for size and position.
2. Optimize VPIN adjustment in Normal mode for the straightest upper and lower horizontal lines. For other registers, remember to check for shared data side effect.
3. Write the data before changing modes.
4. Check Wide Zoom mode for size and position.
   Wide Zoom is a specially adjusted mode to fit a 4:3 picture into a 16:9 format, and is only available on wide screen models.
5. Set the following key registers to the data indicated:
   VSCO = 10, UVLN = 4, LVLN = 4, SLIN = 10, MPIN = 9,
   then adjust the other data registers shown here for Full mode to straighten horizontal and vertical lines. The picture on the top and bottom edge is deliberately compressed vertically, and similarly the picture on the left and right side is expanded horizontally.

   Note: Do not adjust horizontal and vertical linearity to make another Full mode. Most data registers for this mode are dedicated to Wide Zoom mode only so there should be no adjustment side effects to other modes but please confirm this.
6. Write the data before changing modes.

SECTION 3: SAFETY RELATED ADJUSTMENTS

3-1. PREPARATION BEFORE CONFIRMATION

Standard ....
135.3 ± 1 VAC

Check Condition:

AC input voltage: 120 (± 2) VAC

Note: If using a stabilized power supply, make sure that the distortion factor is 3% or less.

Setting Mode: ....
Full mode

Signal Input: ....
Cross-hatch of NTSC

Initial Setting: ....
Standard Reset condition

Confirm Point: ....
Across CN5509 PIN 9 for B+ of DZ Board

3-1.1 HOLD-DOWN OPERATION CONFIRMATION

1. Using an external DC power supply, apply 5.3 ± 0.5 Vdc between Pin 2 of CN507 (jig connector) and ground (Pin 8); confirm set goes to hold-down (main power relay click).
2. Remove the external DC power supply.

3-2. B+ MAX CONFIRMATION

Standard 135.3 ± 1 VAC
Check Condition:

AC input voltage: 120 (± 2) VAC

Note: If using a stabilized power supply, make sure that the distortion factor is 3% or less.

Setting Mode: ....
Full mode

Signal Input: ....
Cross-hatch of NTSC

Initial Setting: ....
Standard Reset condition

Confirm Point: ....
Across CN5509 PIN 9 for B+ of DZ Board

3-3. B+ VOLTAGE CHECK

Standard:...135.3 ± 1 VDC

Measurement point:

CN5509 pin (9) for B+ of [DZ] board

Input Video Signal:..All Black Signal

Picture level:..Picture/Brightness Minimum

HV Probe: Service can use Fluke 80K-40 or equivalent.

3-4. HIGH VOLTAGE (HV) CHECK

Standard:..32.5 ± 0.5 kV

Measurement point:..Anode of CRT

Input Video Signal:..All Black Signal

Picture level:..Picture/Brightness Minimum

3-5. PREPARATION FOR HV AND IK PROTECTOR CHECK

1. Remove DZ board screws and carefully lift board as necessary to gain access to the bottom of the board.
2. Unsolder CN5001 pin 1 to open ABL connection to AZ board.

   (Alternately, open AZ - DZ connector (CN509-CN5001) and carefully push pin 1 metal tab (ABL) up from the bottom and pull up from the top using long nose pliers and release it from the connector, then close the connector with pin 1 connection now open.)
3. Install jumper wire from MZ board connection CN2304 pin 1 to CN509 pin 1 to inject 5V to ABL line. (Alternately, use STBY 5V, IC501 Pin O on AZ board)
4. Unsolder CN5009 pin 8 (H-prot).
5. Open ABL pin 1 of T8001 (RHT) on DZ board and connect analog current meter.

3-6. HV PROTECTOR CHECK

3-6-1. CUT OFF CONDITION

Input Video Signal:..All Black Signal

Picture level:..Picture/Brightness Minimum

1. Confirm ABL current which should be approximately 0.160mA.
2. Short across C8002, C8021, and C8052.
3. Turn off the set and install precision VR1 jig (a multi turn pot initially set to 100K) to IC8005 pin 1 (It's the unmarked IC8005 pin on PWB A side, neither K nor A.) and GND (C8076 -).
4. Restore power and adjust HV to obtain 36.4 ± 0.15kV by precision VR1 jig.

   Note: If the picture turns bright red or other color and the set shuts down, place a 10 M resistor on the CX board between G2 and E2 pins on the socket. Confirm G2 adjustment before returning set to production.
5. Remove short from C8002 and confirm that hold down activates.
6. Short C8002 again and confirm that HV recovers.
7. Re-adjust HV to obtain 33.5 ± 0.2 kV by precision VR1 jig.
8. Remove short from C8002 and C8021 and C8052.
9. Confirm that hold down does not activate.

Note: Remove the 10 M resistor , if installed in step D above

3-6-2. HIGH LIGHT CONDITION

Input Video Signal:..All White Signal
Picture level:...Picture/Brightness Adjustment

1. Short across C8002, C8021, C8052, C8012, and C8015.
2. Set ABL current to **2.76mA** by adjusting picture and brightness towards max condition.
3. Adjust HV to obtain **35.7 ± 0.15kV** by precision RV1 jig.
4. Remove short from C8002 and confirm that hold down activates.
5. Short C8002 again and confirm that HV recovers.
6. Re-adjust HV to obtain **32.2** ± **0.2 kV** by precision VR1 jig.
7. Remove shorts from C8002, C8021, and C8052.
8. Confirm that hold down does **not** activate.
9. Remove short from C8012 and C8015.
10. Remove VR1 jig from DZ board

3-7. IK PROTECTOR CHECK

Input Video Signal:..All White Signal
Picture level:...Picture/Brightness Adjustment

1. Short across C8015.
2. Set ABL current to 2.76mA by adjusting picture and brightness towards max condition.
3. Confirm that AC Relay shuts off.
4. Remove short from C8015 and Short across C8012.
5. Turn the set off and on to reset AC relay latch.
6. Confirm the voltage at CN5009 pin 8 (H_prot) = 3.6 ± 0.5V.
7. Remove short from C8012.

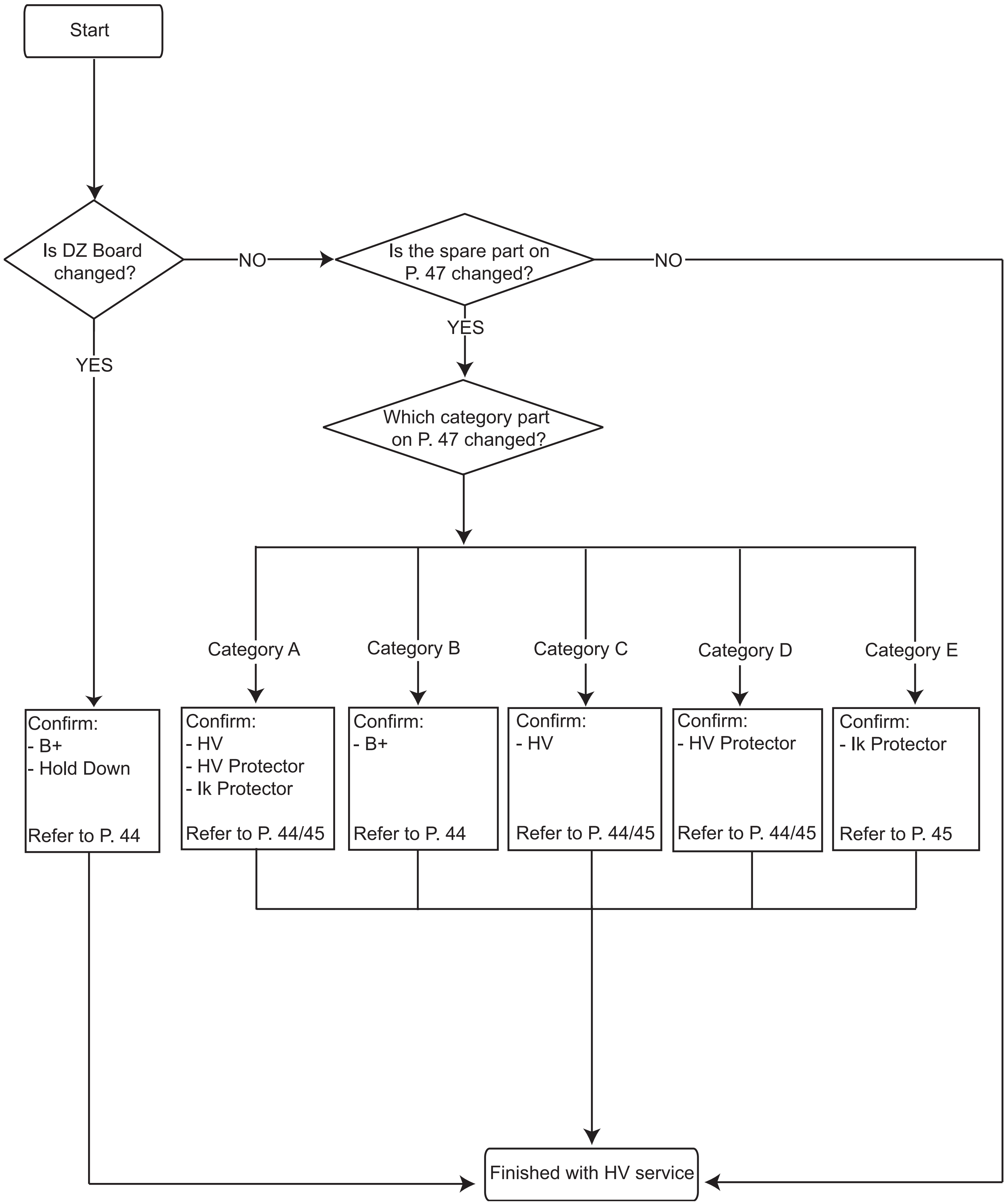
3-8. HOLD DOWN CHECK

1. Using an external DC power supply, apply 5.3 + 0.5 Vdc between Pin 2 of CN507 (jig connector) and ground (Pin 8) on AZ board.
2. Confirm that hold down activates.
3. Remove the external DC power supply.

3-9. RESTORATION

1. Re-solder CN5001 pin 1 and CN5009 pin 8 to restore AZ -DZ connections.
   (Or as applicable, restore AZ –DZ connector by carefully pressing the tab back into the slot and snapping the connector shut. Be sure the tab is flush and level with the other tabs on the connector.)
2. Remove jumper wire from MZ board connection CN2304 pin 1 to CN509 pin 1.
3. Remove current meter from ABL pin and restore ABL pin connection.
4. Replace all DZ board screws and restore user menu settings to reset condition.

3-10.HS SERVICE FLOWCHART



HS SERVICE FLOWCHART TABLE

Ref. #	Category
T8001	A
R8015	C
R8017	C
R8019	D
R8035	E
R8036	E
R8037	E
R8038	E
R8039	E
R8040	E
R8043	E
R8078	D
R8165	D
IC8005	C
IC8104	D
R8012	C
R8014	C
R8016	D
R8021	C
R8027	E
R8029	E
R8030	E
R8031	E
R8046	D
R8052	D
R8059	C
R8060	C
R8066	C
R8072	D
R8079	D
R8082	E
R6590	B
D8022	D
PH8003	C
Q8007	E
Q8008	E
IC8001	D
IC8002	C
IC8004	C
IC6503	B

SECTION 4: CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

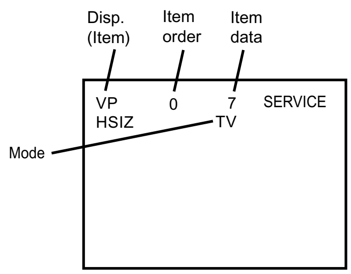
Use the Remote Commander (RM-Y199, RM-Y201) to perform the circuit adjustments in this section.

Test Equipment Required: 1. Pattern generator 2. Frequency counter 3. Digital multimeter 4. Audio oscillator

4-1. SETTING SERVICE ADJUSTMENT MODE

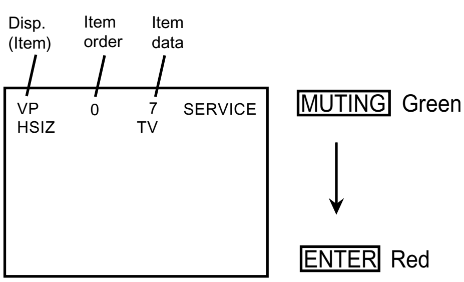
1. Standby mode (Power off).
2. Press the following buttons on the remote commander within a second of each other:
   DISPLAY → Channel 5 → Sound Volume + → Power

4-1.1. SERVICE ADJUSTMENT MODE IN

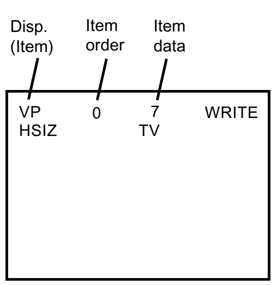


3. The CRT displays the item being adjusted.
4. Press 1 or 2 on the Remote Commander to select the item.
5. Press 3 or 6 on the Remote Commander to change the data.
6. Press MUTING then ENTER to write into memory.

4-1.2. SERVICE ADJUSTMENT MODE MEMORY



1. Press 8 then ENTER on the Remote Commander to initialize.



8. DO NOT turn off set until SERVICE appears.

4-1.3. READING THE MEMORY

1. Enter into Service Mode.
2. Press 0 on the Remote Commander.
3. Press ENTER to read memory.

4-1.4. ADJUSTING THE PICTURE

1. Enter into Service Mode
2. Press 2 or 5 on the remote to select the device item.
3. Press 1 or 4 on the remote to select an item.
4. Press 3 or 6 on the remote to change the data.
5. Press MUTING then ENTER to write into memory.

4-1.5. RESETTING THE DATA

CAUTION: Be careful when using the remote! It will clear and re-initialize ALL NVM data including deflection adjustment data if not reset properly as follows:

4-1.6. RESETTING THE MID NVM DATA

1. Enter into Service Mode.
2. Press 7 then JUMP, and then press ENTER on the remote.

4-1.7. RESETTING THE SYSTEM NVM DATA

1. Enter into Service Mode.
   (This resets DEFL adjust and video white balance.)
2. Press 7 then 9 , and then press ENTER on the remote.

4-1.8. COPY FUNCTION

How to use copy function for DA4 Chassis:

- After writing your adjusted data into NVM, press MUTING then ENTER to write into memory.
  To copy change copy data from 0 to 1 then press MUTING then ENTER again.

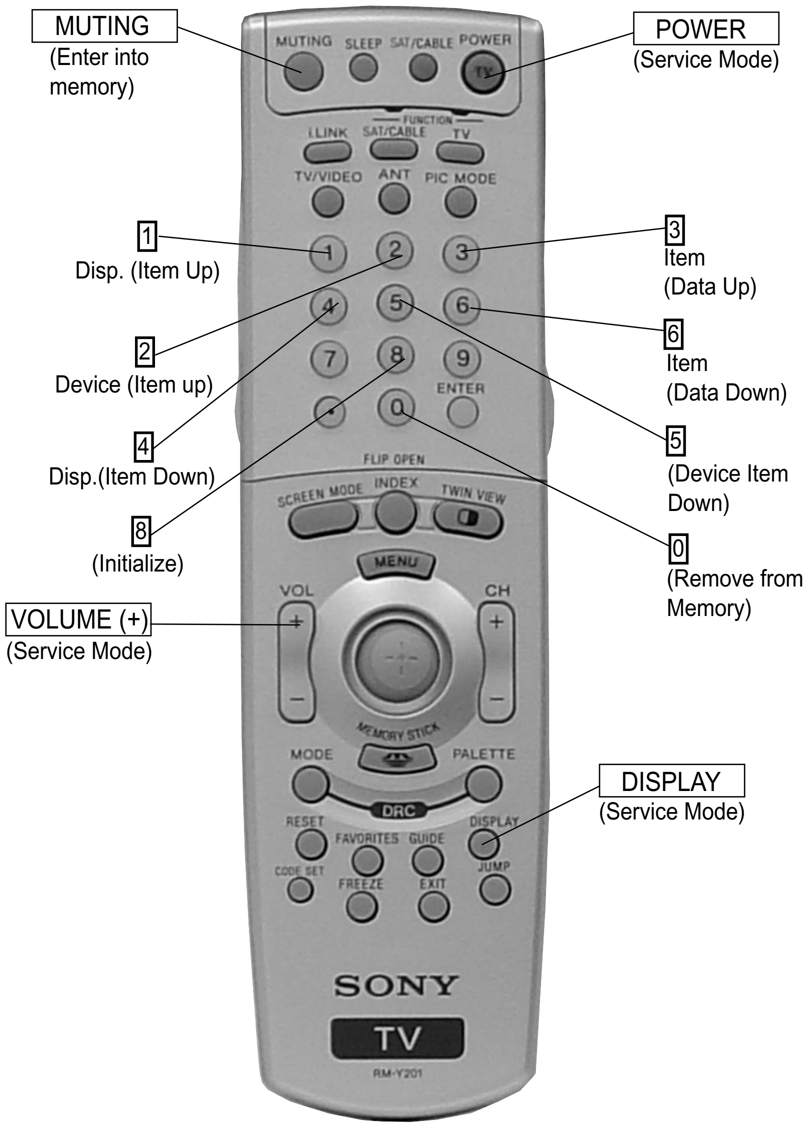
WARNING: DO NOT copy data before writing your corrected data in NVM. If data is copied before writing corrected data, old data will be copied.

- CPY1: DF/DQP DATA (CXA2170D-4 Item 6)

4-2. MEMORY WRITE CONFIRMATION METHOD

1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
2. Turn the power switch ON and set to Service Mode.
3. Call the adjusted items again to confirm they were adjusted.

4-3. REMOTE ADJUSTMENT BUTTONS AND INDICATORS



RM-Y201

4-4. SERVICE DATA

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

Legend	Meaning
* (blue)	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category	No	Item	Range									
VERSION	0	VER*	0,1	0 *								
	1	DMY1*	0-255	0 *								
3D-COMB	0	NRMD*	0-3	0 *								
	1	CLKS	0-3	1								
	2	NSDS*	0-3	0 *								
	3	MSS*	0-3	0 *								
	4	KILS*	0-3	1 *								
	5	FRZE*	0,1	0 *								
	6	EXCS	0-3	1								
	7	CDL	0-7	3								
				NRMD = 0	NRMD = 1	NRMD = 2	NRMD = 3					
	8	DYCO	0-15	2	2	2	2					
	9	DYGA	0-15	10	10	10	10					
	10	DCCO	0-15	5	5	5	5					
	11	DCGA	0-15	5	5	5	5					
	12	WSC	0-2	1								
	13	WSS	0,1	0								
				Vivid	Standard	Movie	Pro					
	14	VAPG	0-7	4	2	2	0					
	15	VAPI	0-31	4	4	4	0					
	16	TEST*	0,1	0 *								
				Vivid		Standard		Movie		Pro		Twin
				RF	CV/YC	RF	CV/YC	RF	CV/YC	RF	CV/YC	
	17	YPFT	0-3	3	3	3	3	3	3	3	3	3
	18	YPFG	0-15	9	6	7	5	5	6	5	5	6
	19	SEDC	0,1	0								
	20	SEDY	0,1	1								
	21	YHCO	0-3	1								
	22	YHCG	0,1	0								
	23	SYSP	0-3	0								
	24	TES2*	0-7	0 *								

Note:
Item* uses the fixed setting in normal TV operations.
{Its setting can be changed for testing in Servcie mode only.
But the change will not be memorized after leaving Service mode.}

KD-34XBR960 SERVICE DATA ONLY   VIDEO & AUDIO

Legend	Meaning
(blue) *	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category	No	Item	Range					
2103-1				V5/V6/ATSC	Others	HDMI		
	0	YLEV	0-62	20	20	16		
	1	CLEV	0-63	25	17	17		
				RF	CV/YC			
	2	SCON	0-15	8	7			
	3	SCOL	0-15	4	5			
	4	SHUE	0-15	7	8			
	5	YDLY	0-3	0	0			
				RF	CV/YC	V5/V6	HDMI	ATSC
	6	SHAP	0-15	9	8	4	4	8
	7	SHF0	0-3	0	0	3	3	0
	8	PRE0	0-3	3	3	3	3	3
	9	BPF0	0-3	3				
	10	BPFQ	0-3	2				
				RF	CV/YC			
	11	BPSW	0,1	1	0			
	12	TRAP	0,1	0				
	13	LPF	0,1	1				
				RF	CV/YC	Others		
	14	AFCG	0,1	1	0	0		
	15	CDMD	0-3	3	3	3		
	16	SSMD	0-3	0	0	0		
				RF	CV/YC	V5/V6	HDMI	ATSC
	17	HMSK	0,1	0	1	1	1	0
	18	HALI	0,1	0				
				RF	CV/YC	V5/V6	HDMI	ATSC
	19	PPHA	0-15	7	7	7	7	7
				V5/V6	ATSC	Others		
	20	CBO1	0-63	31	31	31		
	21	CRO1	0-63	31	31	31		
				HDMI/ATSC				
	22	CBO2	0-63	31				
	23	CRO2	0-63	31				
				Single	BLK = 0	BLK = 1	BLK = 2	BLK = 3
	24	ATPD	0-3	0	1	1	2	0
	25	DCTR	0-3	0	2	1	3	0

Notes:
Settings applied to CXA2103 (M&S)
Settings also based on 2170P-4/BLK data

KD-34XBR960 SERVICE DATA ONLY   VIDEO & AUDIO

Category	No	Item	Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

Category	No	Item	Range		
2103-2				DRC	VDO
	0	YLEV	0-63	24	41
	1	CLEV	0-63	10	31
				RF	CV/YC
	2	SCON	0-15	8	6
	3	SCOL	0-15	7	7
	4	SHUE	0-15	7	9
	5	YDLY	0-3	0	0
	6	SHAP	0-15	6	8
	7	SHF0	0-3	0	0
	8	PREO	0-3	3	3
	9	BPF0	0-3	3	
	10	BPFQ	0-3	0	
				RF	CV/YC
	11	BPSW	0,1	1	0
	12	TRAP	0,1	0	
				DRC	VDO
	13	LPF	0,1	1	0
				RF	CV/YC
	14	AFCG	0, 1	1	0
	15	CDMD	0-3	3	3
	16	SSMD	0-3	0	0
	17	HMSK	0,1	0	1
	18	HALI	0,1	0	
				RF	CV/YC
	19	PPHA	0-15	7	7
	20	CBO1	0-63	37	
	21	CRO1	0-63	33	

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

Category	No	Item	Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

Category	No	Item	Range	DRC CV/YC	DRC 480i	HDMI	ATSC	V5/V6	PT
2170P-1	0	YOSW	0,1	1	0	0	0	0	1
	1	TCOF*	0,1	0 *					

No	Item	Range	DRC RF/CV/YC	V5&6 480i	V5&6 480p	V5&6 720p	V5&6 1080i	HDMI 480i	HDMI 480p VGA	HDMI 720p	HDMI 1080i	MS / ATSC 480i	MS / ATSC 480p	MS / ATSC 720p	MS / ATSC 1080i
2	YOF	0-15	0	15	13	13	12	13	15	13	15	15	15	10	10
3	CBOF	0-63	31	31	44	47	45	31	42	45	45	31	43	45	44
4	CROF	0-63	31	31	42	46	45	31	41	46	47	31	42	47	47

Offset from V5/V6 480i's data

No	Item	Range	1080i PT
5	CBOP	0-63	36
6	CROP	0-63	37

No	Item	Range	Color Temp Neutral
7	SBRT	0-63	24
8	RDRV	0-63	32
9	GDRV	0-63	22
10	BDRV	0-63	20
11	RCUT	0-63	32
12	GCUT	0-63	16
13	BCUT	0-63	22

No	Item	Range	Color Temp Cool	Color Temp Warm
14	WBSW	0,1	0	0
15	SBOF	0-15	7	7
16	RDOF	0-63	31	31
17	GDOF	0-63	31	26
18	BDOF	0-63	34	16
19	RCOF	0-63	31	31
20	GCOF	0-63	31	27
21	BCOF	0-63	34	19
22	DCOL	0-3	1	0

Note:
The WBSW setting in Warm can be memorized in NVM.

Category	No	Item	Range	Blanking On	Blanking Off	Power Off
2170P-2	0	PICO*	0,1	1 *	1 *	0 *
	1	RGBS*	0-7	0 *	7 *	0 *
	2	BLKB	0-3	3		
	3	RGBL	0-3	2		
	4	YLMT	0-3	3		

No	Item	Range	Aging On	Aging Off
5	AGNG*	0-3	2 *	0 *
6	AKBO*	0,1	0 *	

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

Category	No	Item	Range	(blue) *	NOT be memorized	(green)	Fix data	(pink)	Adjustment data at CBA	(yellow)	Adjustment data at F/A

Category	No	Item	Range	Other MS	ATSC i.Link	HDMI	ATSC PT	HDMI PT	Note; PT=Bypass MID (HDPT=0)
2170P-2	7	CLPP	0-3	3	3	3	3	3	
	8	CLPG	0,1	0	0	0	0	0	
	9	CLPS	0,1	0	0	0	0	0	
	10	PPAD	0-7	3	3	3	3	3	
	11	SYNP	0,1	0	0	0	0	0	
	12	HVBT	0,1	0					

Category	No	Item	Range	Mode	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
2170P-3	0	SYSM	0-3	Vivid	1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
	1	VMLV*	0-15		7 *																
	2	VMCR	0-3		1	2	2	0	0	0	2	0	0	0	0	0	3	2	0	0	0
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
	5	VMDL	0-15		7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
	6	SHOF	0-3		2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	1
	7	SHF0	0,1		1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
	9	F1LV	0-3		0	0	2	2	1	2	2	2	2	1	2	1	0	2	1	1	2
	10	LTLV	0-3		3	3	3	1	3	3	3	1	1	3	3	3	3	3	1	3	3
	11	LTMD	0,1		1	1	1	0	1	0	1	0	0	1	0	1	1	1	0	1	0
	12	CTLV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3
	13	UBOF	0-7		0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	14	UCOF	0-7		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63		7	11	15	19	23	27	15	19	19	23	27	23	56	15	19	23	27

Category	No	Item	Range	Mode	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
	0	SYSM	0-3	Standard	1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
	1	VMLV*	0-15		7 *																
	2	VMCR	0-3		1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
	5	VMDL	0-15		7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
	6	SHOF	0-3		2	3	2	0	0	1	2	0	0	0	1	0	2	2	0	0	1
	7	SHF0	0, 1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
	9	F1LV	0-3		0	0	2	2	1	0	2	2	2	1	0	1	0	2	2	1	0
	10	LTLV	0-3		2	2	2	3	3	1	2	3	3	3	1	3	3	2	3	3	1
	11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	12	CTLV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3
	13	UBOF	0-7		2	2	2	2	1	1	2	2	2	1	1	1	1	2	2	1	1
	14	UCOF	0-7		1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63		5	10	14	18	22	26	14	18	18	22	26	22	55	14	18	22	26

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

Legend	Meaning
* (blue)	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category: 2170P-3

Movie

No	Item	Range	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
0	SYSM	0-3	1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
1	VMLV*	0-15	7 *																
2	VMCR	0-3	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
3	VMLM	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	VMF0	0-3	1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
5	VMDL	0-15	5	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
6	SHOF	0-3	1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1
7	SHF0	0,1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	PROV	0-3	0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
9	F1LV	0-3	0	0	1	1	1	0	1	1	1	1	0	1	0	1	1	1	0
10	LTLV	0-3	1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1
11	LTMD	0,1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	CTLV	0-3	0	0	0	0	2	2	0	0	0	2	2	2	0	0	0	2	2
13	UBOF	0-7	0	0	2	2	0	0	2	2	2	0	0	0	0	2	2	0	0
14	UCOF	0-7	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
15	UHOF	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	0-63	3	9	13	17	21	25	13	17	17	21	25	21	54	13	17	21	25

Pro

No	Item	Range	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
0	SYSM	0-3	1	1	2	2	3	3	2	2	2	3	3	3	2	2	2	3	3
1	VMLV*	0-15	7 *																
2	VMCR	0-3	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
3	VMLM	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	VMF0	0-3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	VMDL	0-15	5	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
6	SHOF	0-3	1	1	2	0	3	1	2	0	0	3	1	2	1	2	0	3	1
7	SHF0	0,1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	PROV	0-3	0	0	3	0	3	3	3	0	0	3	3	3	3	3	0	3	3
9	F1LV	0-3	0	0	0	1	1	0	0	1	1	1	0	0	0	0	1	1	0
10	LTLV	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	LTMD	0,1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	CTLV	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	UBOF	0-7	2	0	2	1	1	1	2	1	2	1	1	1	2	2	1	1	1
14	UCOF	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	UHOF	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	0-63	0	8	12	16	20	24	12	16	16	20	24	20	53	12	16	20	24

No	Item	Range	Vivid	Standard	Movie	Pro
17	VM	0-3	3	3	1	0
18	VMH	0-15	15	15	12	12
19	VMM	0-15	8	8	8	8
20	VML	0-15	4	4	4	4

No	Item	Range	Data
21	VGAP	0-15	5
22	VGAS	0-15	5
23	VGAB	0-15	5
24	VGAC	0-15	5
25	VGAV	0-15	5

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

Legend	
* (blue)	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category: 2170P-4

No	Item	Range	MS	Other
0	YCON	0,1	1	1

No	Item	Range	DRC	VDO (V5/V6)	VDO (HDMI)	MS / ATSC	PT
1	SPIC	0-15	7	7	7	7	7
2	SCOL	0-63	32	32	32	32	32
3	SHUE	0-63	30	30	30	30	30

Note: PT = Pass Through (By pass MID)

No	Item	Range	Value
4	SPIO	0-15	4
5	SCLO	0-15	9
6	SHUO	0-15	7

No	Item	Range	Vivid	Standard	Movie	Pro
7	UPIC	0-63	63	48	39	31
8	UBRT	0-63	31	31	31	31
9	UCOL	0-63	35	31	31	31
10	UHUE	0-63	31	31	31	31
11	USHP	0-63	24	29	31	31
12	UTMP	0-3	2	1	0	1

No	Item	Range	Normal	Special Axis
13	RYR	0-15	8	15
14	RYB	0-15	9	15
15	GYR	0-15	9	9
16	GYB	0-15	6	3

No	Item	Range		RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
17	GAMM	0-3	Vivid	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
			Standard	1	1	1	2	1	2	1	1	2	1	1	1	2	1	1	1	1
			Movie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
			Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No	Item	Range	GAMM = 0	GAMM = 1	GAMM = 2	GAMM = 3
18	GAMS	0-15	0	8	8	8
19	GAMR	0-15	0	4	6	12
20	GAMG	0-15	0	4	6	12
21	GAMB	0-15	0	4	6	12

Note: Settings based on GAMM data

No	Item	Range		RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
22	BLK	0-3	Vivid	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3
			Standard	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2
			Movie	0	0	1	0	1	0	1	0	0	1	0	1	0	1	0	3	1
			Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No	Item	Range	BLK = 0	BLK = 1	BLK = 2	BLK = 3
23	DCTR	0-15	0	1	7	12
24	APED	0-3	0	0	1	2
25	DSBO	0-15	7	7	7	7

Note: Settings based on BLK data

No	Item	Range	Value
26	IDSW*	0-7	0*

No	Item	Range	BLK = 0	BLK = 1	BLK = 2	BLK = 3
27	ABLM	0-3	0	1	0	1

Note: Settings based on BLK data

KD-34XBR960 SERVICE DATA ONLY   VIDEO & AUDIO

(blue) *	NOT be memorized	(green)	Fix data	(pink)	Adjustment data at CBA	(yellow)	Adjustment data at F/A

Category	No	Item	Range						
2170P-4				Single					
				Others	MS 1080Vcom VGA	Others			
	28	ABLT	0-15	0	7	7			
	29	SPOF	0-31	0					
				BLK = 0	BLK = 1	BLK = 2	BLK = 3	**Note**: Settings based on BLK data	
	30	DPSQ	0,1	1	0	1	1		
	31	LRGB	0-15	3					
CXA2171				V5/V6/ATSC 1080i/720p	HDMI uTiny/$6D_00 Byte1/Bit6=1	HDMI uTiny/$6D_00 Byte1/Bit6=0	Others		
	0	MTRX*	0-3	1 *	1 *	0 *	0 *		
				PT	Others	HDMI		**Note**: PT = Pass Through	
	1	GAIN	0-3	0	0	0			
				V5 480p/ 720p/1080i/ No Sync	V6 480p/ 720p/1080i/ No Sync	HDMI 480p/ 720p/1080i/ No Sync	ATSC 720p/1080i	ATSC 480p/MS	Others
	2	FIXS	0-3	3	3	3	2	3	1
				PT	Others	HDMI			
	3	CBGN	0-15	8	5	3			
	4	CRGN	0-15	8	4	3			
	5	YGN	0-15	8	4	3			
				V5/V6-1080i/MS	HDMI 1080i	Other			
	6	VTC	0-3	0	0	0			
				Tristate=1	Tristate=0				
	7	HTC*	0,1	0 *	1 *				
				V5/V6-1080i/MS	HDMI 1080i	Other			
	8	HWID	0-3	1	1	1			
	9	HSEP	0,1	1	1	1			
				V5&6/DVI/MS 1080i	Others				
	10	HMSK*	0,1	0 *	1 *				
				V5 480p/ 720p/1080i/ No Sync	V6 480p/ 720p/1080i/ No Sync	HDMI 480p/ 720p/1080i/ No Sync	ATSC 720p/1080i	ATSC 480p/MS	Others
	11	FRGB	0,1	0	0	0	0	0	0
				ATSC 720p/1080i	Others				
	12	HYSW	0,1	1	0				

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

Category	No	Item	Range								
AUDIO	0	ASYS	0,1	0							
	1	TRCV	0-3	2							
	2	BACV	0-3	0							
	3	MDCV	0-3	2							
	4	SVHI	0-7	4							
	5	SVLO	0-7	4							
	6	MIDL	0-15	10							
	7	LOFQ	0-7	0							
	8	SBAS	0-15	8							
	9	MIDT	0-15	none							
	10	STRE	0-15	10							
	11	TRFQ	0-15	none							
	12	PSEF	0-15	5							
	13	AGCL	0-15	9							
				TruSurround	Simulated	SteadySound	Off				
	14	BBE	0,1	1	1	1	1				
	15	BBEP	0-7	6	6	6	6				
	16	BBEL	0-7	3	3	3	3				
	17	BB2P	0-7	6	6	6	6				
	18	BB2L	0-7	3	3	3	3				
	19	TRS1	0-7	4							
	20	TRS2	0-7	2							
SNNR	0	MODE	0-3	0							
	1	SNNR	0-7	0							
				WSLT- A	WSLT- B	WSLT- C	WSLT- D	WSLT- E	WSLT- F	WSLT- G	
	2	WSLT	0-255	15	31	45	63	85	110	127	
				SNNR = 0	SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7
	3	CPFG	0-15	0	0	1	1	2	2	2	3
	4	CPFT	0-3	0	0	0	0	0	0	0	0
	5	CCOR	0-3	0	0	1	1	1	1	1	1
	6	CHCG	0,1	0	1	1	1	1	1	1	1
	7	CAPG	0-7	0	0	0	0	0	0	0	0
	8	3SHP	0-15	0	0	1	1	2	2	2	3
	9	NYNR	0-15	0	1	2	2	3	3	4	4
	10	NCNR	0-15	0	1	2	2	3	3	4	4
	11	NYMG	0-3	0	0	0	0	0	0	0	0
	12	NCMG	0-3	0	0	0	0	0	0	0	0
	13	NYLT	0-15	0	1	1	2	3	4	6	8
	14	NYNC	0-15	0	0	2	2	3	3	4	4
	15	NYCO	0,1	0	0	1	1	1	1	1	1
	16	7SHP	0-63	0	0	1	1	3	3	3	4
	17	7YF1	0-3	0	0	1	1	2	2	2	3
	18	7LTI	0-3	0	0	0	0	0	0	0	0
	19	7CTI	0-3	0	0	0	0	0	0	0	0
	20	7VML	0-15	0	0	0	0	0	0	0	0
	21	7VMC	0-3	0	0	1	1	2	2	2	3
	22	MIDD	0-63	0	0	1	1	2	2	2	3

KD-34XBR960 SERVICE DATA ONLY   VIDEO & AUDIO

Legend	
* (blue)	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category	No	Item	Range	
CCD	0	HPRM	0-255	60
	1	HPRS	0-255	60
	2	YSYM	0,1	0
	3	CCDI	0-7	3
	4	CRIP	0-7	4
	5	PHLD	0,1	0
	6	CHMK	0-63	54
	7	LANG*	0-15	0 *
	8	DATA	0,1	0
	9	VCHP	0,1	0
	10	CLMP	0,1	0
	11	SYSV	0-7	4
	12	ID1	0,1	1
	13	ID1M*	0-7	1 *
	14	FPOL	0,1	0
	15	BWHT	0,1	0
	16	MESH	0,1	0
	17	BNBB	0-3	1
	18	BNBG	0-3	1
	19	BNBR	0-3	0
	20	CMP1	0-7	2
	21	CMP2	0-7	5
	22	CMP3	0-7	3
	23	CWHT	0-7	3
	24	VSDW	0,1	1
	25	BFRQ	0,1	0
	26	BPOS	0,1	0
	27	BFRM	0,1	1
	28	BTIM	0,1	0
3DNR	0	WHCT	0-63	44
	1	NIQM	0,1	1
	2	CLPW	0-63	30
	3	CLPP	0-255	80
	4	YHBW	0-255	138
	5	YBKL	0-15	0
	6	YBKO	0,1	0
	7	MUTE	0,1	0
	8	YHBS	0-127	40
	9	CHBW	0-255	138
	10	CBKO	0-127	40
	11	CHBO	0,1	0
	12	VHBL	0-15	0
	13	UHBL	0-15	0
	14	UVDL	0-7	0
	15	YDL	0-7	0
	16	PVDI	0,1	0
	17	PHDI	0,1	0
	18	HDW	0-63	16
	19	PVDO	0,1	0
	20	PHDO	0,1	0
	21	HST	0-255	54
	22	VDL	0-15	0
	23	VDW	0-15	3
	24	NDET	0-15	0
	25	NVP	0-15	2
	26	NDTS	0-3	3
	27	HROF	0,1	0
	28	NDGW	0-15	9
	29	UOFS	0-7	1

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

Category	No	Item	Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
3DNR	30	POT	0-3	0							
	31	UVF	0,1	0							
	32	APC	0,1	1							
	33	DAP	0,1	0							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	34	YLV	0-15	15	15	10	10	10	10	8	8
	35	YST	0,1	0							
	36	YNT	0,1	1							
	37	YPL	0,1	1							
	38	YMV	0,1	0							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	39	YCR	0-31	3	3	3	3	3	3	3	3
	40	VOS	0-7	1							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	41	YMG	0-3	3	1	3	3	3	3	3	3
	42	YEG	0,1	0							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	43	YEL	0-15	6	4	6	6	6	6	6	6
	44	YLM	0-127	6	6	6	6	6	6	6	6
	45	CLV	0-15	15	15	10	10	10	10	8	8
	46	CNT	0,1	1							
	47	CPL	0,1	1							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	48	CMG	0-3	3	3	3	3	3	3	3	3
	49	CCR	0-31	3	3	3	3	3	3	3	3
	50	CLM	0-127	6	6	6	6	6	6	6	6
	51	NVSL	0-255	20							
	52	NVSH	0,1	1							
	53	NHS	0-127	16							
	54	NVEL	0-255	244							
	55	NVEH	0,1	0							
	56	NHE	0-127	120							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	57	YNG	0-3	3	3	3	3	3	3	3	3
	58	COR	0,1	0	0	0	0	0	0	0	0
	59	LPF	0,1	0	0	0	0	0	0	0	0
	60	YLT	0-15	6	6	6	6	6	6	6	6
	61	YNC	0-15	8	8	8	8	8	8	8	8
	62	YCO	0,1	0	1	0	0	0	0	0	0
	63	ADTH	0,1	0							

KD-34XBR960 SERVICE DATA ONLY VIDEO & AUDIO

Legend: * NOT be memorized (blue) | Fix data (green) | Adjustment data at CBA (pink) | Adjustment data at F/A (yellow)

Category	No	Item	Range							
DRCV	0	MFVR	0,1	0						
	1	ISEL	0,1	1						
					RF	CV/YC	V5/V6-480i	HDMI	ATSC	
	2	ORES	0-255	Vivid	128	128	128	128	128	
				Standard	128	128	128	128	128	
				Movie	128	128	133	133	133	
				Pro	128	128	133	133	133	
					RF	CV/YC	V5/V6-480i	HDMI	ATSC	
	3	ONCT	0-255	Vivid	128	128	128	128	128	
				Standard	128	128	128	128	128	
				Movie	128	128	128	128	128	
				Pro	128	128	128	128	128	
				Custom 1	Custom 2	Custom 3				
	4	AINI	0-127	0	49	79	No service list, only NVM data in user			
	5	BINI	0-127	24	54	89				
	6	FMAT	0,1	0						
				RF	Others					
	7	FMTH	0-3	1	1					
	8	FSEL	0,1	1						
	9	CDLY	0-3	2						
	10	LMIT	0,1	0						
				Vivid	Standard	Movie	Pro			
	11	LMLV	0-3	2	2	2	2			
	12	LMSL	0,1	1						
	13	VDLY	0-3	1						
	14	VDPR	0-3	3						
	15	WPLL	0-3	2						
	16	CRCT	0,1	0						
				SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7
	17	NRA	0-255	0	0	0	0	0	0	0
	18	NRB	0-255	128	128	128	128	128	128	128

Legend: * NOT be memorized (blue) | Fix data (green) | Adjustment data at CBA (pink) | Adjustment data at F/A (yellow)

Category	No	Item	Range						
OP	0	DLY1	0-31	4					
	1	DLY2	0-31	12					
	2	DLY3	0-15	7					
	3	OSDH	0-255	17					
				Vivid	Standard	Movie	Pro	Expansion Zoom or Zoom-H	Note:
	4	HDPT	0,1	1	1	1	1	1	HDPT=0 Bypass MID
	5	AACK*	0-3	2 *					
	6	DINI*	0,1	0 *					
	7	RAMW*	0-3	0 *					

KD-34XBR960 SERVICE DATA ONLY   DEFLECTION

*	NOT be memorized	(green)	Fix data	(pink)	Adjustment data at CBA	(yellow)	Adjustment data at F/A

Category	No	Item		Range								
2170D-1	0	VPOS	V Position	0-63	26							
	1	VSIZ	V Size	0-63	39							
					1080Full	Others						
	2	VSZO	V Size Offset	0-63	0	0						
					WideZoom	Others						
	3	VLIN		0-15	7	7						
	4	VSCO		0-15	10	7						
	5	VCEN		0-63	19							
					1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V						
	6	VPIN		0-31	15	15						
	7	MVPN		0-3	0							
	8	NSCO		0-63	31							
	9	HTPZ		0-31	15							
	10	MHTZ		0-3	0							
					WideZoom	Zoom	Others	Expansion Zoom or Zoom-V				
	11	ZOOM		0,1	1	1	0	1				
					WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
	12	APSW		0,1	1	1	1	0	0	1	1	None
	13	ASPT		0-63	22	43	3	0	47	3	43	None
	14	SCRL		0-63	31	31	31	31	31	31	31	None
					WideZoom	Others						
	15	UVLN		0-15	4	0						
	16	LVLN		0-15	4	0						
2170D-2	0	HCNT		0-63	31							
					1080Full 1080Vcomp	Others						
	1	HPOS		0-63	29	31						
					WideZoom	Others						
	2	HSIZ		0-63	56	50						
	3	SLIN		0-15	10	4						
	4	MPIN		0-15	11	10						
					WideZoom	Others	1080i					
	5	PIN		0-63	18	12	12					
					WideZoom	Zoom	480Full	1080Full	1080Vcomp 480Vcomp			
	6	PINO		0-15	7	7	7	9	7			
					WideZoom	Others	1080i					
	7	UCP		0-63	38	35	35					
	8	LCP		0-63	38	35	35					

Note: Used for PJ only (VSZO)

Note: Data variation for 16x9//4x3 models

Note: Different settings used for KV-34/30XBR910 models

KD-34XBR960 SERVICE DATA ONLY DEFLECTION

Legend: * = NOT be memorized; (green) = Fix data; (pink) = Adjustment data at CBA; (yellow) = Adjustment data at F/A

Category	No	Item	Range	Others	1080i
2170D-2	9	UXCG	0-3	0	0
	10	LXCG	0-3	0	0
	11	UXCP	0-3	2	2
	12	LXCP	0-3	2	2
	13	XCPP	0,1	0	0

Category	No	Item	Range	WideZoom	Others
2170D-2	14	PPHA	0-63	21	21

Category	No	Item	Range	Data
2170D-2	15	VANG	0-63	31
	16	LANG	0-63	31
	17	VBOW	0-63	31
	18	LBOW	0-63	31
2170D-3	0	HBLK	0,1	1

Category	No	Item	Range	1080Full 1080Vcomp	Others
2170D-3	1	LBLK	0-63	50	51
	2	RBLK	0-63	31	27

Category	No	Item	Range	WideZoom	Zoom	480Full 1080Full	480Vcomp 1080Vcomp	Expansion Zoom or Zoom-V
2170D-3	3	VBLK	0,1	0	0	1	1	0

Note: Data variation for 16x9//4x3 models

Category	No	Item	Range	WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
2170D-3	4	TBLK	0-15	12	7	2	4	10	2	7	None
	5	BBLK	0-15	15	7	8	6	13	8	7	None

Category	No	Item	Range	1080Full 1080Vcomp	Others
2170D-3	6	AFCM	0-3	2	3

Note: Data variation for 16x9//4x3 models

Category	No	Item	Range	1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V
2170D-3	7	JUMP	0,1	0	0

Note: Data variation for 16x9//4x3 models

Category	No	Item	Range	WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
2170D-3	8	VDJP	0,1	1	1	0	1	1	1	None

Category	No	Item	Range	1080Vcomp 1080Full	Others
2170D-3	9	VDST	0,1	0	0

Category	No	Item	Range	WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
2170D-3	10	AKBT	0-31	15	15	20	16	16	15	None

KD-34XBR960 SERVICE DATA ONLY DEFLECTION

Legend	
* (blue)	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category	No	Item		Range	1080Vcomp 480Vcomp	Others
2170D-4	0	QPAM		0-63	22	22
	1	QPAV		0-63	41	41
	2	QPAP		0-15	6	6
	3	QPDC		0-63	43	43
	4	QPDV		0-63	55	55
	5	QPDP		0-15	6	6
	6	CPY1*		0,1	0 *	
	7	DF		0-63	34	
	8	DQP		0-63	30	
2170D-5	0	VFRQ		0-3	1	
	1	VON*		0,1	1 *	
	2	EWDC		0,1	0	
	3	MS15		0,1	0	
	4	HFRQ		0-255	80	
	5	HFRX		0-63	25	
	6	VMPS		0,1	0	
	7	INTR		0,1	0	
	8	VLNL		0-3	0	
	9	VLNH		0-255	0	
	10	AGCS		0,1	0	
D-CONV (CXA8070)	0	YBWU		0-63	31	
	1	YBWL		0-63	31	
	2	RSAP		0-63	31	
	3	RUMB		0-63	31	
	4	RUBW		0-63	31	
	5	RLMB		0-63	31	
	6	RLBW		0-63	31	
	7	LSAP		0-63	31	
	8	LUMB		0-63	31	
	9	LUBW		0-63	31	
	10	LLMB		0-63	31	
	11	LLBW		0-63	31	
	12	CADJ		0-63	23	
	13	HVCA		0-63	63	
	14	SRSP		0-63	63	
	15	SRUM		0-63	31	
	16	SRUB		0-63	63	
	17	SRLM		0-63	31	
	18	SRLB		0-63	63	
	19	SLSP		0-63	57	
	20	SLUM		0-63	31	
	21	SLUB		0-63	63	
	22	SLLM		0-63	31	
	23	SLLB		0-63	63	

Note (2170D-4, No 0–5): Different settings used for KV-34/30XBR910 models

Note (2170D-4, No 7–8): Different settings (maybe) for KV-34/30XBR910 models

Note (D-CONV, No 14–23): Different settings used for KV-34/30XBR910 models

KD-34XBR960 SERVICE DATA ONLY DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
LANDING	0	LT		0-255	127	Note: Different settings used for KV-34/30XBR910 models						
	1	LB		0-255	127							
	2	RT		0-255	127							
	3	RB		0-255	127							
	4	EWSP		0-15	5							
	5	ENSW		0,1	0							
	6	TESW		0,1	0							
	7	DHMT*		0,1	0 *							
	8	LDVM		0-3	0							
	9	LVSW		0,1	0							
	10	LVPH		0-255	127							

No	Item		Range	LDVM = 0		LDVM = 1		LDVM = 2		LDVM = 3		Note: Different settings used for KV-34/30XBR910 models
				Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	
11	HSZO		0-15	0	0	0	0	0	2	0	2	
12	SLINO		0-15	0	0	0	0	0	1	0	1	
13	MPNO		0-15	0	0	0	2	0	5	0	9	
14	PINO		0-15	0	0	0	2	0	6	0	9	

KD-34XBR960 SERVICE DATA ONLY MID

Legend: * NOT be memorized | Fix data | Adjustment data at CBA | Adjustment data at F/A

Category	No	Item		Range						
MID1	0	DHPH	d_h_phase	0-255	108					
	1	DVPH	d_v_phase	0-63	20					
	2	DHAR	d_h_area	0-255	240					
	3	DVAR	d_v_area	0-255	135					
	4	DHPW	d_h_pwidth	0-63	55					
	5	DVPW	d_v_pwidth	0-7	5					
					Single		Twin	Freeze	Favorites	Index
					480i	Others				
	6	DYCD	d_yc_delay	0-63	1	0	2	2	2	2
					Table-0	Table-1	Table-2	Table-3		
	7	DYSD	d_ys_delay	0-7	7	4	2	1		
					Single				Favorites	Index
					VGA		Others		VGA	VGA
					Normal	Others	Normal	Others		
	8	MDHP	m_dsp_hpos	0-255	174	72	156	0	40	41
					Single			Favorites	Index	
					480i/480p	VGA	Others	VGA	VGA	
	9	MDVP	m_dsp_vpos	0-255	30	66	0	34	34	
					Single				Favorites	Index
					VGA		Others		VGA	VGA
					Normal	Others	Normal	Others		
	10	MDHS	m_dsp_hsiz	0-255	153	204	162	240	155	119
					Single			Favorites	Index	
					480i/480p	VGA	Others	VGA	VGA	
	11	MDVS	m_dsp_vsiz	0-255	120	102	135	103	103	
					Twin/Freeze	Favorites	Index			
	12	MLHP		0-255	36	31	31			
	13	MLVP		0-255	8	30	30			
					Favorites					
	14	SDHP	s_dsp_hpos	0-255	167					
	15	SDVP	s_dsp_vpos	0-255	5					
	16	SDHS	s_dsp_hsiz	0-255	115					
	17	SDVS	s_dsp_vsiz	0-255	79					
	18	PDHP		0-255	0					
	19	PDVP		0-255	0					
	20	PDHS		0-255	0					
	21	PDVS		0-255	0					
					1080i Single	Others				
	22	DPSW	dsp_pll_sw	0,1	0	0				
	23	MDLO		0-63	12					
					Single			Others		
					Normal	Others	MemoryStick			
	24	BCOL	d_back_y	0-15	0	0	0	0		
	25	DYSS	d_ys_slct	0-3	1					
					Index					
	26	OSDH		0-63	32					
	27	OSDV		0-63	16					

KD-34XBR960 SERVICE DATA ONLY MID

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

MID2

Single

No	Item		Range	480i V5/V6 Normal	480i V5/V6 Others	YC Normal	YC Others	480i HDMI/ATSC Normal	480i HDMI/ATSC Others	480i Expand Normal	480i Expand Others
0	DRHP	drc_hactv_pos	0-255	153	120	154	117	145	108	153	224
1	DRHS	drc_hactv_siz	0-255	162	180	162	180	162	180	162	125
2	DRVP	drc_vactv_pos	0-63	37	37	37	37	37	37	37	37
3	DRVS	drc_vactv_siz	0-255	120	120	120	120	120	120	120	120

Twin-Left

No	Item		Range	480i V5/V6	YC	480i HDMI/ATSC	Expansion
0	DRHP	drc_hactv_pos	0-255	146	148	140	146
1	DRHS	drc_hactv_siz	0-255	164	164	164	164
2	DRVP	drc_vactv_pos	0-63	57	57	57	57
3	DRVS	drc_vactv_siz	0-255	110	110	110	110

Note: AV-Multi (RGB)=HDMI/ATSC (w/o MS)
AV-Multi (YPbPr)=Expansion

Twin-Right

No	Item		Range	YC
0	DRHP	drc_hactv_pos	0-255	153
1	DRHS	drc_hactv_siz	0-255	164
2	DRVP	drc_vactv_pos	0-63	57
3	DRVS	drc_vactv_siz	0-255	110

Freeze

No	Item		Range	480i V5/V6	YC	480i HDMI/ATSC	Expansion
0	DRHP	drc_hactv_pos	0-255	153	153	144	153
1	DRHS	drc_hactv_siz	0-255	162	162	162	162
2	DRVP	drc_vactv_pos	0-63	57	57	57	57
3	DRVS	drc_vactv_siz	0-255	110	110	110	110

Favorites (Main)

No	Item		Range	480i V5/V6 Full	480i V5/V6 Vcomp	YC Full	YC Vcomp	480i HDMI/ATSC Full	480i HDMI/ATSC Vcomp	Expansion Full	Expansion Vcomp
0	DRHP	drc_hactv_pos	0-255	140	140	140	140	132	132	140	140
1	DRHS	drc_hactv_siz	0-255	165	165	165	165	165	165	165	165
2	DRVP	drc_vactv_pos	0-63	37	57	37	57	37	57	37	57
3	DRVS	drc_vactv_siz	0-255	120	110	120	110	120	110	120	110

Favorites (Sub)

No	Item		Range	YC
0	DRHP	drc_hactv_pos	0-255	153
1	DRHS	drc_hactv_siz	0-255	171
2	DRVP	drc_vactv_pos	0-63	28
3	DRVS	drc_vactv_siz	0-255	118

Index (Main)

No	Item		Range	480i V5/V6 Full	480i V5/V6 Vcomp	YC Full	YC Vcomp	480i HDMI/ATSC Full	480i HDMI/ATSC Vcomp	Expansion Full	Expansion Vcomp
0	DRHP	drc_hactv_pos	0-255	140	140	140	140	134	134	140	140
1	DRHS	drc_hactv_siz	0-255	165	165	165	165	165	165	165	165
2	DRVP	drc_vactv_pos	0-63	37	57	37	57	37	57	37	57
3	DRVS	drc_vactv_siz	0-255	120	110	120	110	120	110	120	110

Index (Sub)

No	Item		Range	YC
0	DRHP	drc_hactv_pos	0-255	158
1	DRHS	drc_hactv_siz	0-255	162
2	DRVP	drc_vactv_pos	0-63	57
3	DRVS	drc_vactv_siz	0-255	110

KD-34XBR960 SERVICE DATA ONLY   MID

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

MID3

No	Item		Range	Mode	V5/V6 1080i MS	V5/V6 720p	V5/V6 480p Normal	V5/V6 480p Others	V5/V6 480i Normal	V5/V6 480i Others	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p Normal	HDMI/ATSC 480p Others	HDMI/ATSC 480i Normal	HDMI/ATSC 480i Others	HDMI VGA Normal	HDMI VGA Others	Expansion 1080i	Expansion 720p	Expansion 480p Normal	Expansion 480p Others	Expansion 480i Normal	Expansion 480i Others
0	VDHP	vdo_hactv_pos	0-255	Single	107	137	200	152	76	56	85	117	200	152	76	56	195	195	245	231	200	255	76	56
1	VDHS	vdo_hactv_siz	0-255		240	161	216	240	162	180	240	161	216	240	162	180	229	229	166	109	216	188	162	180
2	VDVE	vdo_vactv_evn	0-63		19	24	37	37	17	17	19	24	37	37	17	17	34	34	19	24	37	37	17	17
3	VDVS	vdo_vactv_siz	0-255		135	180	120	120	60	60	135	180	120	120	60	60	120	120	135	180	120	120	60	60

No	Item		Range	Mode	V5/V6 1080i	V5/V6 720p	V5/V6 480p	V5/V6 480i	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p	HDMI/ATSC 480i	HDMI VGA	Expansion 1080i	Expansion 720p	Expansion 480p	Expansion 480i
0	VDHP	vdo_hactv_pos	0-255	Twin-Left	141	163	192	71	122	144	192	71	235	141	163	192	71
1	VDHS	vdo_hactv_siz	0-255		221	147	219	164	221	147	219	164	209	221	147	219	164
2	VDVE	vdo_vactv_evn	0-63		43	54	57	27	43	54	57	27	54	43	54	57	27
3	VDVS	vdo_vactv_siz	0-255		123	165	110	55	123	165	110	55	110	123	165	110	55

No	Item		Range	Mode	YC
0	VDHP	vdo_hactv_pos	0-255	Twin-Right	73
1	VDHS	vdo_hactv_siz	0-255		164
2	VDVE	vdo_vactv_evn	0-63		27
3	VDVS	vdo_vactv_siz	0-255		55

No	Item		Range	Mode	V5 / V6 1080i	V5 / V6 720p	V5 / V6 480p	V5 / V6 480i	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p	HDMI/ATSC 480i	HDMI VGA	Expansion 1080i	Expansion 720p	Expansion 480p	Expansion 480i
0	VDHP	vdo_hactv_pos	0-255	Freeze	151	169	200	74	125	150	200	74	235	151	169	200	74
1	VDHS	vdo_hactv_siz	0-255		218	145	216	162	218	145	216	162	208	218	145	216	162
2	VDVE	vdo_vactv_evn	0-63		43	54	57	27	43	54	57	27	54	43	54	57	27
3	VDVS	vdo_vactv_siz	0-255		123	165	110	55	123	165	110	55	110	123	165	110	55

No	Item		Range	Mode	V5/V6 1080i Full	V5/V6 1080i Vcomp	V5/V6 720p	V5/V6 480p Full	V5/V6 480p Vcomp	V5/V6 480i Full	V5/V6 480i Vcomp	HDMI/ATSC 1080i Full	HDMI/ATSC 1080i Vcomp	HDMI/ATSC 720p	HDMI/ATSC 480p Full	HDMI/ATSC 480p Vcomp	HDMI/ATSC 480i Full	HDMI/ATSC 480i Vcomp	HDMI VGA Full	HDMI VGA Vcomp	Expansion 1080i Full	Expansion 1080i Vcomp	Expansion 720p	Expansion 480p Full	Expansion 480p Vcomp	Expansion 480i Full	Expansion 480i Vcomp
0	VDHP	vdo_hactv_pos	0-255	Favorites (Main)	136	136	158	184	184	68	68	112	112	134	184	184	68	68	195	195	136	136	158	184	184	68	68
1	VDHS	vdo_hactv_siz	0-255		222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165
2	VDVE	vdo_vactv_evn	0-63		43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27
3	VDVS	vdo_vactv_siz	0-255		123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55

No	Item		Range	Mode	YC
0	VDHP	vdo_hactv_pos	0-255	Favorites (Sub)	75
1	VDHS	vdo_hactv_siz	0-255		171
2	VDVE	vdo_vactv_evn	0-63		13
3	VDVS	vdo_vactv_siz	0-255		59

No	Item		Range	Mode	V5/V6 1080i Full	V5/V6 1080i Vcomp	V5/V6 720p	V5/V6 480p Full	V5/V6 480p Vcomp	V5/V6 480i Full	V5/V6 480i Vcomp	HDMI/ATSC 1080i Full	HDMI/ATSC 1080i Vcomp	HDMI/ATSC 720p	HDMI/ATSC 480p Full	HDMI/ATSC 480p Vcomp	HDMI/ATSC 480i Full	HDMI/ATSC 480i Vcomp	HDMI VGA Full	HDMI VGA Vcomp	Expansion 1080i Full	Expansion 1080i Vcomp	Expansion 720p	Expansion 480p Full	Expansion 480p Vcomp	Expansion 480i Full	Expansion 480i Vcomp
0	VDHP	vdo_hactv_pos	0-255	Index (Main)	136	136	158	184	184	68	68	114	114	137	184	184	68	68	195	195	136	136	158	184	184	68	68
1	VDHS	vdo_hactv_siz	0-255		222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165
2	VDVE	vdo_vactv_evn	0-63		43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27
3	VDVS	vdo_vactv_siz	0-255		123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55

No	Item		Range	Mode	YC
0	VDHP	vdo_hactv_pos	0-255	Index (Sub)	76
1	VDHS	vdo_hactv_siz	0-255		162
2	VDVE	vdo_vactv_evn	0-63		27
3	VDVS	vdo_vactv_siz	0-255		55

No	Item		Range	YC	V5/V6 480i	V5/V6 1080i/MS	V5/V6 720p	V5/V6 480p	HDMI/ATSC 480i	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p	HDMI VGA	Expansion 480i	Expansion 1080i	Expansion 720p	Expansion 480p
4	VDVO	vdo_vactv_odd	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	VCPO	vdo_clp_pos	0-255	42	42	72	88	122	42	50	88	122	122	42	72	88	122
6	VCWD	vdo_clp_wdt	0-7	1	1	3	3	3	1	3	3	3	3	1	3	3	3
7	VYCD	vdo_yc_delay	0-63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	VSTP	vdo_pll_stop	0-255	62	62	133	183	126	62	136	183	126	129	62	136	183	126
9	VSTT	vdo_pll_strt	0-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	VHSC	vdo_hsync_cyc	0-255	130	130	130	130	130	130	130	130	130	130	130	130	130	130
11	VFRV	vdo_fld_rev	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KD-34XBR960 SERVICE DATA ONLY MID

Legend	
(blue) *	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category	No	Item		Range																
MID5																				
	0	POP		0-63	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	MHLY	m_hlpf_ycoef	0-3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	MHLC	m_hlpf_ccoef	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	1	2	2	3	2	0	0	2	2	0	0	1	2
	6	MHYL	m_henh_yclip	0-3	0	1	1	1	1	2	2	2	0	1	2	1	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	0	2	5	5	6	7	7	7	5	2	4	7	2	0	7	7
	8	MHYO	m_henh_ycof	0,1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1
	9	MHCR	m_henh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	0	0	0	0	1	2	2	2	0	1	1	2	0	0	1	2
	14	MVYL	m_venh_yclip	0-3	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	2
	15	MVYE	m_venh_yenh	0-7	0	0	0	0	1	1	1	1	0	3	3	3	0	0	4	3
	16	MVCR	m_venh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	POP		0-63	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	3	3	3	3
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	2	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	6	7	2	4	5	7	2	0	7	7
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	1	0	1
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	0	2	4	6	0	0	4	4	0	0	4	3
	16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	0	POP		0-63	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	2	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	7	7	2	4	5	7	7	0	4	7
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	0	0	0
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	1
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	1	2	4	6	0	0	4	4	7	1	2	4
	16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	1
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4

POP	Format	2004 DA4
0	RF P	
1	snnr	
2	RF M	
3	snnr	
4	snnr	
5	RF S	
6	snnr	
7	RF V	
8	CV/YC P	
9	CV/YC M	
10	CV/YC S	
11	CV/YC V	
12	V5/V6 480i	All 480i P
13	V5/V6 480i	All 480i M
14	V5/V6 480i	All 480i S
15	V5/V6 480i	All 480i V
16	V5/V6 480p	All 480p P
17	V5/V6 480p	All 480p M
18	V5/V6 480p	All 480p S
19	V5/V6 480p	All 480p V
20	V5/V6 1080i	All 1080i P
21	V5/V6 1080i	All 1080i M
22	V5/V6 1080i	All 1080i S
23	V5/V6 1080i	All 1080i V
24	V5/V6 720p	All 720p P
25	V5/V6 720p	All 720p M
26	V5/V6 720p	All 720p S
27	V5/V6 720p	All 720p V
28	HDMI 480i	not assigned
29	HDMI 480i	not assigned
30	HDMI 480i	not assigned
31	HDMI 480i	not assigned
32	HDMI 480p	not assigned
33	HDMI 480p	not assigned
34	HDMI 480p	not assigned
35	HDMI 480p	not assigned
36	HDMI 1080i	not assigned
37	HDMI 1080i	not assigned
38	HDMI 1080i	not assigned
39	HDMI 1080i	not assigned
40	HDMI 720p	not assigned
41	HDMI 720p	not assigned
42	HDMI 720p	not assigned
43	HDMI 720p	not assigned
44	Memory Stick	not assigned
45	Memory Stick	not assigned
46	Memory Stick	not assigned
47	Memory Stick	not assigned
48	HDMI 480i	not assigned
49	HDMI 480i	not assigned
50	HDMI 480i	not assigned
51	HDMI 480i	not assigned
52	HDMI 480p	not assigned
53	HDMI 480p	not assigned
54	HDMI 480p	not assigned
55	HDMI 480p	not assigned
56	HDMI 1080i	not assigned
57	HDMI 1080i	not assigned
58	HDMI 1080i	not assigned
59	HDMI 1080i	not assigned

KD-34XBR960 SERVICE DATA ONLY MID

Colour	Meaning
Blue (*)	NOT be memorized
Green	Fix data
Pink	Adjustment data at CBA
Yellow	Adjustment data at F/A

Category	No	Item		Range	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
MID5	0	POP		0-63																
	1	MHLY	m_hlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	m_hlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	MHYL	m_henh_yclip	0-3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	7	MHYE	m_henh_yenh	0-7	7	0	4	2	5	0	0	0	0	0	0	0	0	0	0	0
	8	MHYO	m_henh_ycof	0,1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	MHCR	m_henh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14	MVYL	m_venh_yclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	15	MVYE	m_venh_yenh	0-7	6	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0
	16	MVCR	m_venh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0

Category	No	Item		Range	Memory Stick
	19	SHLY	s_hlpf_ycoef	0-7	0
	20	SHLC	s_hlpf_ccoef	0-7	0
	21	SVLY	s_vlpf_ycoef	0-7	0
	22	SVLC	s_vlpf_ccoef	0-7	0
	23	SHYR	s_henh_ycore	0-3	0
	24	SHYL	s_henh_yclip	0-3	0
	25	SHYE	s_henh_yenh	0-7	0
	26	SHYO	s_henh_ycof	0,1	0
	27	SHCR	s_henh_ccore	0-3	0
	28	SHCL	s_henh_cclip	0-3	0
	29	SHCE	s_henh_cenh	0-7	0
	30	SHCO	s_henh_ccof	0,1	0
	31	SVYR	s_venh_ycore	0-3	0
	32	SVYL	s_venh_yclip	0-3	0
	33	SVYE	s_venh_yenh	0-7	0
	34	SVCR	s_venh_ccore	0-3	0
	35	SVCL	s_venh_cclip	0-3	0
	36	SVCE	s_venh_cenh	0-7	0

Category	No	Item		Range	480i	Others
CXA3506R	0	MCON		0,1	64	64
	1	SCOR		0-255	128	128
	2	SCOG		0-255	128	128
	3	SCOB		0-255	128	128
	4	RGB		0-255	0	0

60	HDMI	720p	not assigned
61	HDMI	720p	not assigned
62	HDMI	720p	not assigned
63	HDMI	720p	not assigned

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Category	No	Item	Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
VERSION	0	VER*	0,1	0 *								
	1	DMY1*	0-255	0 *								
3D-COMB	0	NRMD*	0-3	0 *								
	1	CLKS	0-3	1								
	2	NSDS*	0-3	0 *								
	3	MSS*	0-3	0 *								
	4	KILS*	0-3	1 *								
	5	FRZE*	0,1	0 *								
	6	EXCS	0-3	1								
	7	CDL	0-7	3								
				NRMD = 0	NRMD = 1	NRMD = 2	NRMD = 3					
	8	DYCO	0-15	2	2	2	2					
	9	DYGA	0-15	10	10	10	10					
	10	DCCO	0-15	5	5	5	5					
	11	DCGA	0-15	5	5	5	5					
	12	WSC	0-2	1								
	13	WSS	0,1	0								
				Vivid	Standard	Movie	Pro					
	14	VAPG	0-7	4	2	2	0					
	15	VAPI	0-31	4	4	4	0					
	16	TEST*	0,1	0 *								
				Vivid		Standard		Movie		Pro		Twin
				RF	CV/YC	RF	CV/YC	RF	CV/YC	RF	CV/YC	
	17	YPFT	0-3	3	3	3	3	3	3	3	3	3
	18	YPFG	0-15	9	6	7	5	5	6	5	5	6
	19	SEDC	0,1	0								
	20	SEDY	0,1	1								
	21	YHCO	0-3	1								
	22	YHCG	0,1	0								
	23	SYSP	0-3	0								
	24	TES2*	0-7	0 *								

Note:
Item* uses the fixed setting in normal TV operations.
{Its setting can be changed for testing in Servcie mode only. But the change will not be memorized after leaving Service mode.}

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Category	No	Item	Range	* NOT be memorized	Fix data	Adjustment data at CBA	Adjustment data at F/A	
2103-1				V5/V6/ATSC	Others	HDMI		
	0	YLEV	0-62	20	20	16		
	1	CLEV	0-63	25	17	17		
				RF	CV/YC			
	2	SCON	0-15	8	7			
	3	SCOL	0-15	4	5			
	4	SHUE	0-15	7	8			
	5	YDLY	0-3	0	0			
				RF	CV/YC	V5/V6	HDMI	ATSC
	6	SHAP	0-15	9	8	4	4	8
	7	SHF0	0-3	0	0	3	3	0
	8	PRE0	0-3	3	3	3	3	3
	9	BPF0	0-3	3				
	10	BPFQ	0-3	2				
				RF	CV/YC			
	11	BPSW	0,1	1	0			
	12	TRAP	0,1	0				
	13	LPF	0,1	1				
				RF	CV/YC	Others		
	14	AFCG	0,1	1	0	0		
	15	CDMD	0-3	3	3	3		
	16	SSMD	0-3	0	0	0		
				RF	CV/YC	V5/V6	HDMI	ATSC
	17	HMSK	0,1	0	1	1	1	0
	18	HALI	0,1	0				
				RF	CV/YC	V5/V6	HDMI	ATSC
	19	PPHA	0-15	7	7	7	7	7
				V5/V6	ATSC	Others		
	20	CBO1	0-63	31	31	31		
	21	CRO1	0-63	31	31	31		
				HDMI/ATSC				
	22	CBO2	0-63	31				
	23	CRO2	0-63	31				
				Single	BLK = 0	BLK = 1	BLK = 2	BLK = 3
	24	ATPD	0-3	0	1	1	2	0
	25	DCTR	0-3	0	2	1	3	0

Notes:
Settings applied to CXA2103 (M&S)
Settings also based on 2170P-4/BLK data

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Legend	
(blue)	* NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category	No	Item	Range		
2103-2				DRC	VDO
	0	YLEV	0-63	0	0
	1	CLEV	0-63	0	0
				RF	CV/YC
	2	SCON	0-15	0	6
	3	SCOL	0-15	0	8
	4	SHUE	0-15	0	8
	5	YDLY	0-3	0	0
	6	SHAP	0-15	0	8
	7	SHF0	0-3	0	0
	8	PREO	0-3	0	3
	9	BPF0	0-3	3	
	10	BPFQ	0-3	0	
				RF	CV/YC
	11	BPSW	0,1	0	0
	12	TRAP	0,1	0	
				DRC	VDO
	13	LPF	0,1	0	0
				RF	CV/YC
	14	AFCG	0, 1	0	0
	15	CDMD	0-3	0	3
	16	SSMD	0-3	0	0
	17	HMSK	0,1	0	1
	18	HALI	0,1	0	
				RF	CV/YC
	19	PPHA	0-15	0	7
	20	CBO1	0-63	37	
	21	CRO1	0-63	33	

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Legend	Meaning
* (blue)	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

2170P-1

Category	No	Item	Range	DRC CV/YC	DRC 480i	HDMI	ATSC	V5/V6	PT
2170P-1	0	YOSW	0,1	1	0	0	0	0	1
	1	TCOF*	0,1	0 *					

No	Item	Range	DRC RF/CV/YC	V5&6 480i	V5&6 480p	V5&6 720p	V5&6 1080i	HDMI 480i	HDMI 480p VGA	HDMI 720p	HDMI 1080i	MS / ATSC 480i	MS / ATSC 480p	MS / ATSC 720p	MS / ATSC 1080i
2	YOF	0-15	0	15	13	13	12	13	15	13	15	15	15	10	10
3	CBOF	0-63	31	31	44	47	45	31	42	45	45	31	43	45	44
4	CROF	0-63	31	31	42	46	45	31	41	46	47	31	42	47	47

No	Item	Range	1080i PT
5	CBOP	0-63	36
6	CROP	0-63	37

No	Item	Range	Color Temp Neutral
7	SBRT	0-63	24
8	RDRV	0-63	32
9	GDRV	0-63	22
10	BDRV	0-63	20
11	RCUT	0-63	32
12	GCUT	0-63	16
13	BCUT	0-63	22

No	Item	Range	Color Temp Cool	Color Temp Warm
14	WBSW	0,1	0	0
15	SBOF	0-15	7	7
16	RDOF	0-63	31	31
17	GDOF	0-63	31	26
18	BDOF	0-63	34	16
19	RCOF	0-63	31	31
20	GCOF	0-63	31	27
21	BCOF	0-63	34	19
22	DCOL	0-3	1	0

Note: The WBSW setting in Warm can be memorized in NVM.

2170P-2

No	Item	Range	Blanking On	Blanking Off	Power Off
0	PICO*	0,1	1 *	1 *	0 *
1	RGBS*	0-7	0 *	7 *	0 *

No	Item	Range	Value
2	BLKB	0-3	3
3	RGBL	0-3	2
4	YLMT	0-3	3

No	Item	Range	Aging On	Aging Off
5	AGNG*	0-3	2 *	0 *
6	AKBO*	0,1	0 *	

No	Item	Range	Other MS	ATSC i.Link	HDMI	ATSC PT	HDMI PT
7	CLPP	0-3	3	3	3	3	3
8	CLPG	0,1	0	0	0	0	0
9	CLPS	0,1	0	0	0	0	0
10	PPAD	0-7	3	3	3	3	3
11	SYNP	0,1	0	0	0	0	0
12	HVBT	0,1	0				

Note;
PT=Bypass MID
(HDPT=0)

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Legend: * NOT be memorized | Fix data | Adjustment data at CBA | Adjustment data at F/A

Category: 2170P-3

Vivid

No	Item	Range	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
0	SYSM	0-3	1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
1	VMLV*	0-15	7 *																
2	VMCR	0-3	1	2	2	0	0	0	2	0	0	0	0	0	3	2	0	0	0
3	VMLM	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	VMF0	0-3	1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
5	VMDL	0-15	7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
6	SHOF	0-3	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	1
7	SHF0	0,1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	PROV	0-3	0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
9	F1LV	0-3	0	0	2	2	1	2	2	2	2	1	2	1	0	2	1	1	2
10	LTLV	0-3	3	3	3	1	3	3	3	1	1	3	3	3	3	3	1	3	3
11	LTMD	0,1	1	1	1	0	1	0	1	0	0	1	0	1	1	1	0	1	0
12	CTLV	0-3	0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3
13	UBOF	0-7	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
14	UCOF	0-7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	UHOF	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	0-63	7	11	15	19	23	27	15	19	19	23	27	23	56	15	19	23	27

Standard

No	Item	Range	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
0	SYSM	0-3	1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
1	VMLV*	0-15	7 *																
2	VMCR	0-3	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
3	VMLM	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	VMF0	0-3	1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
5	VMDL	0-15	7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
6	SHOF	0-3	2	3	2	0	0	1	2	0	0	0	1	0	2	2	0	0	1
7	SHF0	0, 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	PROV	0-3	0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
9	F1LV	0-3	0	0	2	2	1	0	2	2	2	1	0	1	0	2	2	1	0
10	LTLV	0-3	2	2	2	3	3	1	2	3	3	3	1	3	3	2	3	3	1
11	LTMD	0,1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	CTLV	0-3	0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3
13	UBOF	0-7	2	2	2	2	1	1	2	2	2	1	1	1	1	2	2	1	1
14	UCOF	0-7	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
15	UHOF	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	0-63	5	10	14	18	22	26	14	18	18	22	26	22	55	14	18	22	26

Movie

No	Item	Range	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
0	SYSM	0-3	1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
1	VMLV*	0-15	7 *																
2	VMCR	0-3	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
3	VMLM	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	VMF0	0-3	1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
5	VMDL	0-15	5	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
6	SHOF	0-3	1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1
7	SHF0	0,1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	PROV	0-3	0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
9	F1LV	0-3	0	0	1	1	1	0	1	1	1	1	0	1	0	1	1	1	0
10	LTLV	0-3	1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1
11	LTMD	0,1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	CTLV	0-3	0	0	0	0	2	2	0	0	0	2	2	2	0	0	0	2	2
13	UBOF	0-7	0	0	2	2	0	0	2	2	2	0	0	0	0	2	2	0	0
14	UCOF	0-7	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
15	UHOF	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	0-63	3	9	13	17	21	25	13	17	17	21	25	21	54	13	17	21	25

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Legend (color)	Meaning
Blue *	NOT be memorized
Green	Fix data
Pink	Adjustment data at CBA
Yellow	Adjustment data at F/A

Category	No	Item	Range		RF	CV/YC	V5/V6				HDMI					MS	Twin	ATSC			
2170P-3							480i	480p	1080i	720p	480i	480p	VGA	1080i	720p			480i	480p	1080i	720p
	0	SYSM	0-3	Pro	1	1	2	2	3	3	2	2	2	3	3	3	2	2	2	3	3
	1	VMLV*	0-15	Pro	7 *																
	2	VMCR	0-3	Pro	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
	3	VMLM	0-3	Pro	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3	Pro	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	VMDL	0-15	Pro	5	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
	6	SHOF	0-3	Pro	1	1	2	0	3	1	2	0	0	3	1	2	1	2	0	3	1
	7	SHF0	0,1	Pro	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3	Pro	0	0	3	0	3	3	3	0	0	3	3	3	3	3	0	3	3
	9	F1LV	0-3	Pro	0	0	0	1	1	0	0	1	1	1	0	0	0	0	1	1	0
	10	LTLV	0-3	Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	LTMD	0,1	Pro	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	12	CTLV	0-3	Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	UBOF	0-7	Pro	2	0	2	1	1	1	2	1	2	1	1	1	2	2	1	1	1
	14	UCOF	0-7	Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	UHOF	0-3	Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63	Pro	0	8	12	16	20	24	12	16	16	20	24	20	53	12	16	20	24

No	Item	Range	Vivid	Standard	Movie	Pro
17	VM	0-3	3	3	1	0
18	VMH	0-15	15	15	12	12
19	VMM	0-15	8	8	8	8
20	VML	0-15	4	4	4	4

No	Item	Range	
21	VGAP	0-15	5
22	VGAS	0-15	5
23	VGAB	0-15	5
24	VGAC	0-15	5
25	VGAV	0-15	5

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Legend: (blue) * NOT be memorized | (green) Fix data | (pink) Adjustment data at CBA | (yellow) Adjustment data at F/A

Category: 2170P-4

No	Item	Range	MS	Other
0	YCON	0,1	1	1

No	Item	Range	DRC	VDO (V5/V6)	VDO (HDMI)	MS / ATSC	PT
1	SPIC	0-15	7	7	7	7	7
2	SCOL	0-63	32	32	32	32	31
3	SHUE	0-63	30	30	30	30	31

Note: PT = Pass Through (By pass MID)

No	Item	Range	Value
4	SPIO	0-15	4
5	SCLO	0-15	9
6	SHUO	0-15	7

No	Item	Range	Vivid	Standard	Movie	Pro
7	UPIC	0-63	63	48	39	31
8	UBRT	0-63	31	31	31	31
9	UCOL	0-63	35	31	31	31
10	UHUE	0-63	31	31	31	31
11	USHP	0-63	24	29	31	31
12	UTMP	0-3	2	1	0	1

No	Item	Range	Normal	Special Axis
13	RYR	0-15	8	15
14	RYB	0-15	9	15
15	GYR	0-15	9	9
16	GYB	0-15	6	3

No	Item	Range	Mode	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
17	GAMM	0-3	Vivid	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
			Standard	1	1	1	2	1	2	1	1	2	1	1	1	2	1	1	1	1
			Movie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
			Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No	Item	Range	GAMM = 0	GAMM = 1	GAMM = 2	GAMM = 3
18	GAMS	0-15	0	8	8	8
19	GAMR	0-15	0	4	8	12
20	GAMG	0-15	0	4	8	12
21	GAMB	0-15	0	4	8	12

Note: Settings based on GAMM data

Those data of 34XBR also should be "8".

No	Item	Range	Mode	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p	MS	Twin	ATSC 480i	ATSC 480p	ATSC 1080i	ATSC 720p
22	BLK	0-3	Vivid	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3
			Standard	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2
			Movie	0	0	1	0	1	0	1	0	0	1	0	1	0	1	0	3	1
			Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No	Item	Range	BLK = 0	BLK = 1	BLK = 2	BLK = 3
23	DCTR	0-15	0	1	7	12
24	APED	0-3	0	0	1	2
25	DSBO	0-15	7	7	7	7

Note: Settings based on BLK data

No	Item	Range	Value
26	IDSW*	0-7	0*

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Category	No	Item	Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2170P-4				BLK = 0	BLK = 1	BLK = 2	BLK = 3	**Note**: Settings based on BLK data			
	27	ABLM	0-3	0	1	0	1				
				Single		Others					
				Others	MS 1080Vcom VGA						
	28	ABLT	0-15	0	7	7					
	29	SPOF	0-31	0							
				BLK = 0	BLK = 1	BLK = 2	BLK = 3	**Note**: Settings based on BLK data			
	30	DPSQ	0,1	1	0	1	1				
	31	LRGB	0-15	3							
CXA2171				V5/V6/ATSC 1080i/720p	HDMI uTiny/$6D_00 Byte1/Bit6=1	HDMI uTiny/$6D_00 Byte1/Bit6=0	Others				
	0	MTRX*	0-3	1 *	1 *	0 *	0 *				
				PT	Others	HDMI		**Note**: PT = Pass Through			
	1	GAIN	0-3	0	0	0					
				V5 480p/ 720p/1080i/ No Sync	V6 480p/ 720p/1080i/ No Sync	HDMI 480p/ 720p/1080i/ No Sync	ATSC 720p/1080i	ATSC 480p/MS	Others		
	2	FIXS	0-3	3	3	3	2	3	1		
				PT	Others	HDMI					
	3	CBGN	0-15	8	5	3					
	4	CRGN	0-15	8	4	3					
	5	YGN	0-15	8	4	3					
				V5/V6-1080i/MS	HDMI 1080i	Other					
	6	VTC	0-3	0	0	0					
				Tristate=1	Tristate=0						
	7	HTC*	0,1	0 *	1 *						
				V5/V6-1080i/MS	HDMI 1080i	Other					
	8	HWID	0-3	1	1	1					
	9	HSEP	0,1	1	1	1					
				V5&6/DVI/MS 1080i	Others						
	10	HMSK*	0,1	0 *	1 *						
				V5 480p/ 720p/1080i/ No Sync	V6 480p/ 720p/1080i/ No Sync	HDMI 480p/ 720p/1080i/ No Sync	ATSC 720p/1080i	ATSC 480p/MS	Others		
	11	FRGB	0,1	0	0	0	0	0	0		
				ATSC 720p/1080i	Others						
	12	HYSW	0,1	1	0						

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY   VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
AUDIO	0	ASYS	0,1	1							
	1	TRCV	0-3	2							
	2	BACV	0-3	0							
	3	MDCV	0-3	2							
	4	SVHI	0-7	4							
	5	SVLO	0-7	4							
	6	MIDL	0-15	8							
	7	LOFQ	0-7	0							
	8	SBAS	0-15	5							
	9	MIDT	0-15	none							
	10	STRE	0-15	7							
	11	TRFQ	0-15	none							
	12	PSEF	0-15	5							
	13	AGCL	0-15	9							
				TruSurround	Simulated	SteadySound	Off				
	14	BBE	0,1	1	1	1	1				
	15	BBEP	0-7	5	5	6	5				
	16	BBEL	0-7	4	4	4	4				
	17	BB2P	0-7	5	5	6	5				
	18	BB2L	0-7	4	4	4	4				
	19	TRS1	0-7	4							
	20	TRS2	0-7	2							
SNNR	0	MODE	0-3	0							
	1	SNNR	0-7	0							
				WSLT- A	WSLT- B	WSLT- C	WSLT- D	WSLT- E	WSLT- F	WSLT- G	
	2	WSLT	0-255	15	31	45	63	85	110	127	
				SNNR = 0	SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7
	3	CPFG	0-15	0	0	1	1	2	2	2	3
	4	CPFT	0-3	0	0	0	0	0	0	0	0
	5	CCOR	0-3	0	0	1	1	1	1	1	1
	6	CHCG	0,1	0	1	1	1	1	1	1	1
	7	CAPG	0-7	0	0	0	0	0	0	0	0
	8	3SHP	0-15	0	0	1	1	2	2	2	3
	9	NYNR	0-15	0	1	2	2	3	3	4	4
	10	NCNR	0-15	0	1	2	2	3	3	4	4
	11	NYMG	0-3	0	0	0	0	0	0	0	0
	12	NCMG	0-3	0	0	0	0	0	0	0	0
	13	NYLT	0-15	0	1	1	2	3	4	6	8
	14	NYNC	0-15	0	0	2	2	3	3	4	4
	15	NYCO	0,1	0	0	1	1	1	1	1	1
	16	7SHP	0-63	0	0	1	1	3	3	3	4
	17	7YF1	0-3	0	0	1	1	2	2	2	3
	18	7LTI	0-3	0	0	0	0	0	0	0	0
	19	7CTI	0-3	0	0	0	0	0	0	0	0
	20	7VML	0-15	0	0	0	0	0	0	0	0
	21	7VMC	0-3	0	0	1	1	2	2	2	3
	22	MIDD	0-63	0	0	1	1	2	2	2	3

34XBR/34XS/30XS/36XS

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

Category	No	Item	Range	
CCD	0	HPRM	0-255	60
	1	HPRS	0-255	60
	2	YSYM	0,1	0
	3	CCDI	0-7	3
	4	CRIP	0-7	4
	5	PHLD	0,1	0
	6	CHMK	0-63	54
	7	LANG*	0-15	0 *
	8	DATA	0,1	0
	9	VCHP	0,1	0
	10	CLMP	0,1	0
	11	SYSV	0-7	4
	12	ID1	0,1	1
	13	ID1M*	0-7	1 *
	14	FPOL	0,1	0
	15	BWHT	0,1	0
	16	MESH	0,1	0
	17	BNBB	0-3	1
	18	BNBG	0-3	1
	19	BNBR	0-3	0
	20	CMP1	0-7	2
	21	CMP2	0-7	5
	22	CMP3	0-7	3
	23	CWHT	0-7	3
	24	VSDW	0,1	1
	25	BFRQ	0,1	0
	26	BPOS	0,1	0
	27	BFRM	0,1	1
	28	BTIM	0,1	0

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

(blue)	NOT be memorized	(green)	Fix data	(pink)	Adjustment data at CBA	(yellow)	Adjustment data at F/A

Category	No	Item	Range								
3DNR	0	WHCT	0-63	44							
	1	NIQM	0,1	1							
	2	CLPW	0-63	30							
	3	CLPP	0-255	80							
	4	YHBW	0-255	138							
	5	YBKL	0-15	0							
	6	YBKO	0,1	0							
	7	MUTE	0,1	0							
	8	YHBS	0-127	40							
	9	CHBW	0-255	138							
	10	CBKO	0-127	40							
	11	CHBO	0,1	0							
	12	VHBL	0-15	0							
	13	UHBL	0-15	0							
	14	UVDL	0-7	0							
	15	YDL	0-7	0							
	16	PVDI	0,1	0							
	17	PHDI	0,1	0							
	18	HDW	0-63	16							
	19	PVDO	0,1	0							
	20	PHDO	0,1	0							
	21	HST	0-255	54							
	22	VDL	0-15	0							
	23	VDW	0-15	3							
	24	NDET	0-15	0							
	25	NVP	0-15	2							
	26	NDTS	0-3	3							
	27	HROF	0,1	0							
	28	NDGW	0-15	9							
	29	UOFS	0-7	1							
	30	POT	0-3	0							
	31	UVF	0,1	0							
	32	APC	0,1	1							
	33	DAP	0,1	0							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	34	YLV	0-15	15	15	10	10	10	10	8	8
	35	YST	0,1	0							
	36	YNT	0,1	1							
	37	YPL	0,1	1							
	38	YMV	0,1	0							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	39	YCR	0-31	3	3	3	3	3	3	3	3
	40	VOS	0-7	1							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	41	YMG	0-3	3	1	3	3	3	3	3	3
	42	YEG	0,1	0							

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Legend: (blue) * NOT be memorized | (green) Fix data | (pink) Adjustment data at CBA | (yellow) Adjustment data at F/A

Category	No	Item	Range	Vivid 480i	Vivid Others	Standard 480i	Standard Others	Movie 480i	Movie Others	Pro 480i	Pro Others
3DNR	43	YEL	0-15	6	4	6	6	6	6	6	6
	44	YLM	0-127	6	6	6	6	6	6	6	6
	45	CLV	0-15	15	15	10	10	10	10	8	8
	46	CNT	0,1	1							
	47	CPL	0,1	1							
	48	CMG	0-3	3	3	3	3	3	3	3	3
	49	CCR	0-31	3	3	3	3	3	3	3	3
	50	CLM	0-127	6	6	6	6	6	6	6	6
	51	NVSL	0-255	20							
	52	NVSH	0,1	1							
	53	NHS	0-127	16							
	54	NVEL	0-255	244							
	55	NVEH	0,1	0							
	56	NHE	0-127	120							
	57	YNG	0-3	3	3	3	3	3	3	3	3
	58	COR	0,1	0	0	0	0	0	0	0	0
	59	LPF	0,1	0	0	0	0	0	0	0	0
	60	YLT	0-15	6	6	6	6	6	6	6	6
	61	YNC	0-15	8	8	8	8	8	8	8	8
	62	YCO	0,1	0	1	0	0	0	0	0	0
	63	ADTH	0,1	0							

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY VIDEO & AUDIO

Category	No	Item	Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

Category	No	Item	Range							
DRCV	0	MFVR	0,1	0						
	1	ISEL	0,1	1						
					RF	CV/YC	V5/V6-480i	HDMI	ATSC	
	2	ORES	0-255	Vivid	128	128	128	128	128	
				Standard	128	128	128	128	128	
				Movie	128	128	133	133	133	
				Pro	128	128	133	133	133	
					RF	CV/YC	V5/V6-480i	HDMI	ATSC	
	3	ONCT	0-255	Vivid	128	128	128	128	128	
				Standard	128	128	128	128	128	
				Movie	128	128	128	128	128	
				Pro	128	128	128	128	128	
				Custom 1	Custom 2	Custom 3				
	4	AINI	0-127	0	49	79	No service list, only NVM data in user			
	5	BINI	0-127	24	54	89				
	6	FMAT	0,1	0						
				RF	Others					
	7	FMTH	0-3	1	1					
	8	FSEL	0,1	1						
	9	CDLY	0-3	2						
	10	LMIT	0,1	0						
				Vivid	Standard	Movie	Pro			
	11	LMLV	0-3	2	2	2	2			
	12	LMSL	0,1	1						
	13	VDLY	0-3	1						
	14	VDPR	0-3	3						
	15	WPLL	0-3	2						
	16	CRCT	0,1	0						
				SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7
	17	NRA	0-255	0	0	0	0	0	0	0
	18	NRB	0-255	128	128	128	128	128	128	128
OP	0	DLY1	0-31	4						
	1	DLY2	0-31	12						
	2	DLY3	0-15	7						
	3	OSDH	0-255	17						
				Vivid	Standard	Movie	Pro	Expansion Zoom or Zoom-H	Note: HDPT=0 Bypass MID	
	4	HDPT	0,1	1	1	1	1	1		
	5	AACK*	0-3	2 *						
	6	DINI*	0,1	0 *						
	7	RAMW*	0-3	0 *						

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY DEFLECTION

*	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category	No	Item		Range	*							
2170D-1	0	VPOS	V Position	0-63	26							
	1	VSIZ	V Size	0-63	39							
					1080Full	Others						
	2	VSZO	V Size Offset	0-63	0	0						
					WideZoom	Others						
	3	VLIN		0-15	7	7						
	4	VSCO		0-15	10	7						
	5	VCEN		0-63	19							
					1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V						
	6	VPIN		0-31	15	15						
	7	MVPN		0-3	0							
	8	NSCO		0-63	31							
	9	HTPZ		0-31	15							
	10	MHTZ		0-3	0							
					WideZoom	Zoom	Others	Expansion Zoom or Zoom-V				
	11	ZOOM		0,1	1	1	0	1				
					WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
	12	APSW		0,1	1	1	1	0	0	1	1	None
	13	ASPT		0-63	22	43	3	0	47	3	43	None
	14	SCRL		0-63	31	31	31	31	31	31	31	None
					WideZoom	Others						
	15	UVLN		0-15	4	0						
	16	LVLN		0-15	4	0						
2170D-2	0	HCNT		0-63	31							
					1080Full 1080Vcomp	Others						
	1	HPOS		0-63	29	31						
					WideZoom	Others						
	2	HSIZ		0-63	56	50						
	3	SLIN		0-15	10	4						
	4	MPIN		0-15	11	10						
					WideZoom	Others	1080i					
	5	PIN		0-63	18	12	12					
					WideZoom	Zoom	480Full	1080Full	1080Vcomp 480Vcomp			
	6	PINO		0-15	7	7	7	9	7			
					WideZoom	Others	1080i					
	7	UCP		0-63	38	35	35					
	8	LCP		0-63	38	35	35					

Note: Used for PJ only

Note: Data variation for 16x9//4x3 models

Note: Different settings used for KV-34/30XBR910 models

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2170D-2					Others	1080i						
	9	UXCG		0-3	0	0						
	10	LXCG		0-3	0	0						
	11	UXCP		0-3	2	2						
	12	LXCP		0-3	2	2						
	13	XCPP		0,1	0	0						
					WideZoom	Others						
	14	PPHA		0-63	21	21						
	15	VANG		0-63	31							
	16	LANG		0-63	31							
	17	VBOW		0-63	31							
	18	LBOW		0-63	31							
2170D-3	0	HBLK		0,1	1							
					1080Full 1080Vcomp	Others						
	1	LBLK		0-63	50	51						
	2	RBLK		0-63	31	27						
					WideZoom	Zoom	480Full 1080Full	480Vcomp 1080Vcomp	Expansion Zoom or Zoom-V		Note: Data variation for 16x9//4x3 models	
	3	VBLK		0,1	0	0	1	1	0			
					WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
	4	TBLK		0-15	12	7	2	4	10	2	7	None
	5	BBLK		0-15	15	7	8	6	13	8	7	None
					1080Full 1080Vcomp	Others					Note: Data variation for 16x9//4x3 models	
	6	AFCM		0-3	2	3						
					1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V		Note: Data variation for 16x9//4x3 models				
	7	JUMP		0,1	0	0						
					WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V	
	8	VDJP		0,1	1	1	0	1	1	1	None	
					1080Vcomp 1080Full	Others						
	9	VDST		0,1	0	0						
					WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V	
	10	AKBT		0-31	15	15	20	16	16	15	None	

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY DEFLECTION

Legend: * = NOT be memorized; Fix data; Adjustment data at CBA; Adjustment data at F/A

Category	No	Item		Range	1080Vcomp 480Vcomp	Others	
2170D-4							**Note**: Different settings used for KV-34/30XBR910 models
	0	QPAM		0-63	22	22	
	1	QPAV		0-63	41	41	
	2	QPAP		0-15	6	6	
	3	QPDC		0-63	43	43	
	4	QPDV		0-63	55	55	
	5	QPDP		0-15	6	6	
	6	CPY1*		0,1	0 *		
	7	DF		0-63	34	Different settings (maybe) for KV-34/30XBR910 models	
	8	DQP		0-63	30		
2170D-5	0	VFRQ		0-3	1		
	1	VON*		0,1	1 *		
	2	EWDC		0,1	0		
	3	MS15		0,1	0		
	4	HFRQ		0-255	80		
	5	HFRX		0-63	25		
	6	VMPS		0,1	0		
	7	INTR		0,1	0		
	8	VLNL		0-3	0		
	9	VLNH		0-255	0		
	10	AGCS		0,1	0		
D-CONV (CXA8070)	0	YBWU		0-63	31		
	1	YBWL		0-63	31		
	2	RSAP		0-63	31		
	3	RUMB		0-63	31		
	4	RUBW		0-63	31		
	5	RLMB		0-63	31		
	6	RLBW		0-63	31		
	7	LSAP		0-63	31		
	8	LUMB		0-63	31		
	9	LUBW		0-63	31		
	10	LLMB		0-63	31		
	11	LLBW		0-63	31		
	12	CADJ		0-63	23		
	13	HVCA		0-63	63		
	14	SRSP		0-63	63	**Note**: Different settings used for KV-34/30XBR910 models	
	15	SRUM		0-63	31		
	16	SRUB		0-63	63		
	17	SRLM		0-63	31		
	18	SRLB		0-63	63		
	19	SLSP		0-63	57		
	20	SLUM		0-63	31		
	21	SLUB		0-63	63		
	22	SLLM		0-63	31		
	23	SLLB		0-63	63		

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
LANDING	0	LT		0-255	127	Note: Different settings used for KV-34/30XBR910 models						
	1	LB		0-255	127							
	2	RT		0-255	127							
	3	RB		0-255	127							
	4	EWSP		0-15	5							
	5	ENSW		0,1	0							
	6	TESW		0,1	0							
	7	DHMT*		0,1	0 *							
	8	LDVM		0-3	0							
	9	LVSW		0,1	0							
	10	LVPH		0-255	127							
					LDVM = 0		LDVM = 1		LDVM = 2		LDVM = 3		Note: Different settings used for KV-34/30XBR910 models
					Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	
	11	HSZO		0-15	0	0	0	0	0	2	0	2	
	12	SLINO		0-15	0	0	0	0	0	1	0	1	
	13	MPNO		0-15	0	0	0	2	0	5	0	9	
	14	PINO		0-15	0	0	0	2	0	6	0	9	

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A

Category	No	Item		Range						
MID1	0	DHPH	d_h_phase	0-255	108					
	1	DVPH	d_v_phase	0-63	20					
	2	DHAR	d_h_area	0-255	240					
	3	DVAR	d_v_area	0-255	135					
	4	DHPW	d_h_pwidth	0-63	55					
	5	DVPW	d_v_pwidth	0-7	5					
					Single		Twin	Freeze	Favorites	Index
					480i	Others				
	6	DYCD	d_yc_delay	0-63	1	0	2	2	2	2
					Table-0	Table-1	Table-2	Table-3		
	7	DYSD	d_ys_delay	0-7	7	4	2	1		
					Single				Favorites	Index
					VGA		Others		VGA	VGA
					Normal	Others	Normal	Others		
	8	MDHP	m_dsp_hpos	0-255	174	72	156	0	40	41
					Single			Favorites	Index	
					480i/480p	VGA	Others	VGA	VGA	
	9	MDVP	m_dsp_vpos	0-255	30	66	0	34	34	
					Single				Favorites	Index
					VGA		Others		VGA	VGA
					Normal	Others	Normal	Others		
	10	MDHS	m_dsp_hsiz	0-255	153	204	162	240	155	119
					Single			Favorites	Index	
					480i/480p	VGA	Others	VGA	VGA	
	11	MDVS	m_dsp_vsiz	0-255	120	102	135	103	103	
					Twin/Freeze	Favorites	Index			
	12	MLHP		0-255	36	31	31			
	13	MLVP		0-255	8	30	30			
					Favorites					
	14	SDHP	s_dsp_hpos	0-255	167					
	15	SDVP	s_dsp_vpos	0-255	5					
	16	SDHS	s_dsp_hsiz	0-255	115					
	17	SDVS	s_dsp_vsiz	0-255	79					
	18	PDHP		0-255	0					
	19	PDVP		0-255	0					
	20	PDHS		0-255	0					
	21	PDVS		0-255	0					
					1080i Single	Others				
	22	DPSW	dsp_pll_sw	0,1	0	0				
	23	MDLO		0-63	12					
					Single			Others		
					Normal	Others	MemoryStick			
	24	BCOL	d_back_y	0-15	0	0	0	0		
	25	DYSS	d_ys_slct	0-3	1					
					Index					
	26	OSDH		0-63	32					
	27	OSDV		0-63	16					

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

Legend: NOT be memorized (blue) | Fix data (green) | Adjustment data at CBA (pink) | Adjustment data at F/A (yellow)

Category: MID2

Single

No	Item		Range	480i V5/V6 Normal	480i V5/V6 Others	YC Normal	YC Others	480i HDMI/ATSC Normal	480i HDMI/ATSC Others	480i Expand Normal	480i Expand Others
0	DRHP	drc_hactv_pos	0-255	153	120	154	117	145	108	153	224
1	DRHS	drc_hactv_siz	0-255	162	180	162	180	162	180	162	125
2	DRVP	drc_vactv_pos	0-63	37	37	37	37	37	37	37	37
3	DRVS	drc_vactv_siz	0-255	120	120	120	120	120	120	120	120

Twin-Left

No	Item		Range	480i V5/V6	YC	480i HDMI/ATSC	Expansion
0	DRHP	drc_hactv_pos	0-255	146	148	140	146
1	DRHS	drc_hactv_siz	0-255	164	164	164	164
2	DRVP	drc_vactv_pos	0-63	57	57	57	57
3	DRVS	drc_vactv_siz	0-255	110	110	110	110

Note: AV-Multi (RGB)=HDMI/ATSC (w/o MS)
AV-Multi (YPbPr)=Expansion

Twin-Right

No	Item		Range	YC
0	DRHP	drc_hactv_pos	0-255	153
1	DRHS	drc_hactv_siz	0-255	164
2	DRVP	drc_vactv_pos	0-63	57
3	DRVS	drc_vactv_siz	0-255	110

Freeze

No	Item		Range	480i V5/V6	YC	480i HDMI/ATSC	Expansion
0	DRHP	drc_hactv_pos	0-255	153	153	144	153
1	DRHS	drc_hactv_siz	0-255	162	162	162	162
2	DRVP	drc_vactv_pos	0-63	57	57	57	57
3	DRVS	drc_vactv_siz	0-255	110	110	110	110

Favorites (Main)

No	Item		Range	480i V5/V6 Full	480i V5/V6 Vcomp	YC Full	YC Vcomp	480i HDMI/ATSC Full	480i HDMI/ATSC Vcomp	Expansion Full	Expansion Vcomp
0	DRHP	drc_hactv_pos	0-255	140	140	140	140	132	132	140	140
1	DRHS	drc_hactv_siz	0-255	165	165	165	165	165	165	165	165
2	DRVP	drc_vactv_pos	0-63	37	57	37	57	37	57	37	57
3	DRVS	drc_vactv_siz	0-255	120	110	120	110	120	110	120	110

Favorites (Sub)

No	Item		Range	YC
0	DRHP	drc_hactv_pos	0-255	153
1	DRHS	drc_hactv_siz	0-255	171
2	DRVP	drc_vactv_pos	0-63	28
3	DRVS	drc_vactv_siz	0-255	118

Index (Main)

No	Item		Range	480i V5/V6 Full	480i V5/V6 Vcomp	YC Full	YC Vcomp	480i HDMI/ATSC Full	480i HDMI/ATSC Vcomp	Expansion Full	Expansion Vcomp
0	DRHP	drc_hactv_pos	0-255	140	140	140	140	134	134	140	140
1	DRHS	drc_hactv_siz	0-255	165	165	165	165	165	165	165	165
2	DRVP	drc_vactv_pos	0-63	37	57	37	57	37	57	37	57
3	DRVS	drc_vactv_siz	0-255	120	110	120	110	120	110	120	110

Index (Sub)

No	Item		Range	YC
0	DRHP	drc_hactv_pos	0-255	158
1	DRHS	drc_hactv_siz	0-255	162
2	DRVP	drc_vactv_pos	0-63	57
3	DRVS	drc_vactv_siz	0-255	110

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

Legend	
(blue)	NOT be memorized
(green)	Fix data
(pink)	Adjustment data at CBA
(yellow)	Adjustment data at F/A

Category: MID3

Single

No	Item		Range	V5/V6 1080i MS	V5/V6 720p	V5/V6 480p Normal	V5/V6 480p Others	V5/V6 480i Normal	V5/V6 480i Others	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p Normal	HDMI/ATSC 480p Others	HDMI/ATSC 480i Normal	HDMI/ATSC 480i Others	HDMI VGA Normal	HDMI VGA Others	Expansion 1080i	Expansion 720p	Expansion 480p Normal	Expansion 480p Others	Expansion 480i Normal	Expansion 480i Others
0	VDHP	vdo_hactv_pos	0-255	107	137	200	152	76	56	85	117	200	152	76	56	195	195	245	231	200	255	76	56
1	VDHS	vdo_hactv_siz	0-255	240	161	216	240	162	180	240	161	216	240	162	180	229	229	166	109	216	188	162	180
2	VDVE	vdo_vactv_evn	0-63	19	24	37	37	17	17	19	24	37	37	17	17	34	34	19	24	37	37	17	17
3	VDVS	vdo_vactv_siz	0-255	135	180	120	120	60	60	135	180	120	120	60	60	120	120	135	180	120	120	60	60

Twin-Left

No	Item		Range	V5/V6 1080i	V5/V6 720p	V5/V6 480p	V5/V6 480i	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p	HDMI/ATSC 480i	HDMI VGA	Expansion 1080i	Expansion 720p	Expansion 480p	Expansion 480i
0	VDHP	vdo_hactv_pos	0-255	141	163	192	71	122	144	192	71	235	141	163	192	71
1	VDHS	vdo_hactv_siz	0-255	221	147	219	164	221	147	219	164	209	221	147	219	164
2	VDVE	vdo_vactv_evn	0-63	43	54	57	27	43	54	57	27	54	43	54	57	27
3	VDVS	vdo_vactv_siz	0-255	123	165	110	55	123	165	110	55	110	123	165	110	55

Twin-Right

No	Item		Range	YC
0	VDHP	vdo_hactv_pos	0-255	73
1	VDHS	vdo_hactv_siz	0-255	164
2	VDVE	vdo_vactv_evn	0-63	27
3	VDVS	vdo_vactv_siz	0-255	55

Freeze

No	Item		Range	V5/V6 1080i	V5/V6 720p	V5/V6 480p	V5/V6 480i	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p	HDMI/ATSC 480i	HDMI VGA	Expansion 1080i	Expansion 720p	Expansion 480p	Expansion 480i
0	VDHP	vdo_hactv_pos	0-255	151	169	200	74	125	150	200	74	235	151	169	200	74
1	VDHS	vdo_hactv_siz	0-255	218	145	216	162	218	145	216	162	208	218	145	216	162
2	VDVE	vdo_vactv_evn	0-63	43	54	57	27	43	54	57	27	54	43	54	57	27
3	VDVS	vdo_vactv_siz	0-255	123	165	110	55	123	165	110	55	110	123	165	110	55

Favorites (Main)

No	Item		Range	V5/V6 1080i Full	V5/V6 1080i Vcomp	V5/V6 720p	V5/V6 480p Full	V5/V6 480p Vcomp	V5/V6 480i Full	V5/V6 480i Vcomp	HDMI/ATSC 1080i Full	HDMI/ATSC 1080i Vcomp	HDMI/ATSC 720p	HDMI/ATSC 480p Full	HDMI/ATSC 480p Vcomp	HDMI/ATSC 480i Full	HDMI/ATSC 480i Vcomp	HDMI VGA Full	HDMI VGA Vcomp	Expansion 1080i Full	Expansion 1080i Vcomp	Expansion 720p	Expansion 480p Full	Expansion 480p Vcomp	Expansion 480i Full	Expansion 480i Vcomp
0	VDHP	vdo_hactv_pos	0-255	136	136	158	184	184	68	68	112	112	134	184	184	68	68	195	195	136	136	158	184	184	68	68
1	VDHS	vdo_hactv_siz	0-255	222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165
2	VDVE	vdo_vactv_evn	0-63	43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27
3	VDVS	vdo_vactv_siz	0-255	123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55

Favorites (Sub)

No	Item		Range	YC
0	VDHP	vdo_hactv_pos	0-255	75
1	VDHS	vdo_hactv_siz	0-255	171
2	VDVE	vdo_vactv_evn	0-63	13
3	VDVS	vdo_vactv_siz	0-255	59

Index (Main)

No	Item		Range	V5/V6 1080i Full	V5/V6 1080i Vcomp	V5/V6 720p	V5/V6 480p Full	V5/V6 480p Vcomp	V5/V6 480i Full	V5/V6 480i Vcomp	HDMI/ATSC 1080i Full	HDMI/ATSC 1080i Vcomp	HDMI/ATSC 720p	HDMI/ATSC 480p Full	HDMI/ATSC 480p Vcomp	HDMI/ATSC 480i Full	HDMI/ATSC 480i Vcomp	HDMI VGA Full	HDMI VGA Vcomp	Expansion 1080i Full	Expansion 1080i Vcomp	Expansion 720p	Expansion 480p Full	Expansion 480p Vcomp	Expansion 480i Full	Expansion 480i Vcomp
0	VDHP	vdo_hactv_pos	0-255	136	136	158	184	184	68	68	114	114	137	184	184	68	68	195	195	136	136	158	184	184	68	68
1	VDHS	vdo_hactv_siz	0-255	222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165
2	VDVE	vdo_vactv_evn	0-63	43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27
3	VDVS	vdo_vactv_siz	0-255	123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55

Index (Sub)

No	Item		Range	YC
0	VDHP	vdo_hactv_pos	0-255	76
1	VDHS	vdo_hactv_siz	0-255	162
2	VDVE	vdo_vactv_evn	0-63	27
3	VDVS	vdo_vactv_siz	0-255	55

No	Item		Range	YC	V5/V6 480i	V5/V6 1080i/MS	V5/V6 720p	V5/V6 480p	HDMI/ATSC 480i	HDMI/ATSC 1080i	HDMI/ATSC 720p	HDMI/ATSC 480p	HDMI VGA	Expansion 480i	Expansion 1080i	Expansion 720p	Expansion 480p
4	VDVO	vdo_vactv_odd	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	VCPO	vdo_clp_pos	0-255	42	42	72	88	122	42	50	88	122	122	42	72	88	122
6	VCWD	vdo_clp_wdt	0-7	1	1	3	3	3	1	3	3	3	3	1	3	3	3
7	VYCD	vdo_yc_delay	0-63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	VSTP	vdo_pll_stop	0-255	62	62	133	183	126	62	136	183	126	129	62	136	183	126
9	VSTT	vdo_pll_strt	0-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	VHSC	vdo_hsync_cyc	0-255	130	130	130	130	130	130	130	130	130	130	130	130	130	130
11	VFRV	vdo_fld_rev	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

(blue)	* NOT be memorized	(green)	Fix data	(pink)	Adjustment data at CBA	(yellow)	Adjustment data at F/A

Category	No	Item		Range																
MID5																				
	0	POP		0-63	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	MHLY	m_hlpf_ycoef	0-3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	MHLC	m_hlpf_ccoef	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	1	2	2	3	2	0	0	2	2	0	0	1	2
	6	MHYL	m_henh_yclip	0-3	0	1	1	1	1	2	2	2	0	1	2	1	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	0	2	5	5	6	7	7	7	5	2	4	7	2	0	7	7
	8	MHYO	m_henh_ycof	0,1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1
	9	MHCR	m_henh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	0	0	0	0	1	2	2	2	0	1	1	2	0	0	1	2
	14	MVYL	m_venh_yclip	0-3	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	2
	15	MVYE	m_venh_yenh	0-7	0	0	0	0	1	1	1	1	0	3	3	3	0	0	4	3
	16	MVCR	m_venh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	POP		0-63	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	3	3	3	3
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	2	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	6	7	2	4	5	7	2	0	7	7
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	1	0	1
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	0	2	4	6	0	0	4	4	0	0	4	3
	16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	0	POP		0-63	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	2	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	7	7	2	4	5	7	7	0	4	7
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	0	0	0
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	1
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	1	2	4	6	0	0	4	4	7	1	2	4
	16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	1
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4

POP	Format	2004 DA4
0	RF P	
1	snnr	
2	RF M	
3	snnr	
4	snnr	
5	RF S	
6	snnr	
7	RF V	
8	CV/YC P	
9	CV/YC M	
10	CV/YC S	
11	CV/YC V	
12	V5/V6 480i	All 480i P
13	V5/V6 480i	All 480i M
14	V5/V6 480i	All 480i S
15	V5/V6 480i	All 480i V
16	V5/V6 480p	All 480p P
17	V5/V6 480p	All 480p M
18	V5/V6 480p	All 480p S
19	V5/V6 480p	All 480p V
20	V5/V6 1080i	All 1080i P
21	V5/V6 1080i	All 1080i M
22	V5/V6 1080i	All 1080i S
23	V5/V6 1080i	All 1080i V
24	V5/V6 720p	All 720p P
25	V5/V6 720p	All 720p M
26	V5/V6 720p	All 720p S
27	V5/V6 720p	All 720p V
28	HDMI 480i	not assigned
29	HDMI 480i	not assigned
30	HDMI 480i	not assigned
31	HDMI 480i	not assigned
32	HDMI 480p	not assigned
33	HDMI 480p	not assigned
34	HDMI 480p	not assigned
35	HDMI 480p	not assigned
36	HDMI 1080i	not assigned
37	HDMI 1080i	not assigned
38	HDMI 1080i	not assigned
39	HDMI 1080i	not assigned
40	HDMI 720p	not assigned
41	HDMI 720p	not assigned
42	HDMI 720p	not assigned
43	HDMI 720p	not assigned
44	Memory Stick	not assigned
45	Memory Stick	not assigned
46	Memory Stick	not assigned
47	Memory Stick	not assigned
48	HDMI 480i	not assigned
49	HDMI 480i	not assigned
50	HDMI 480i	not assigned
51	HDMI 480i	not assigned
52	HDMI 480p	not assigned
53	HDMI 480p	not assigned
54	HDMI 480p	not assigned
55	HDMI 480p	not assigned
56	HDMI 1080i	not assigned
57	HDMI 1080i	not assigned
58	HDMI 1080i	not assigned
59	HDMI 1080i	not assigned

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

Legend: (blue) * NOT be memorized | (green) Fix data | (pink) Adjustment data at CBA | (yellow) Adjustment data at F/A

Category	No	Item		Range	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
MID5	0	POP		0-63																
	1	MHLY	m_hlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	m_hlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	MHYL	m_henh_yclip	0-3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	7	MHYE	m_henh_yenh	0-7	7	0	4	2	5	0	0	0	0	0	0	0	0	0	0	0
	8	MHYO	m_henh_ycof	0,1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	MHCR	m_henh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14	MVYL	m_venh_yclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	15	MVYE	m_venh_yenh	0-7	6	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0
	16	MVCR	m_venh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0

Category	No	Item		Range	Memory Stick
MID5	19	SHLY	s_hlpf_ycoef	0-7	0
	20	SHLC	s_hlpf_ccoef	0-7	0
	21	SVLY	s_vlpf_ycoef	0-7	0
	22	SVLC	s_vlpf_ccoef	0-7	0
	23	SHYR	s_henh_ycore	0-3	0
	24	SHYL	s_henh_yclip	0-3	0
	25	SHYE	s_henh_yenh	0-7	0
	26	SHYO	s_henh_ycof	0,1	0
	27	SHCR	s_henh_ccore	0-3	0
	28	SHCL	s_henh_cclip	0-3	0
	29	SHCE	s_henh_cenh	0-7	0
	30	SHCO	s_henh_ccof	0,1	0
	31	SVYR	s_venh_ycore	0-3	0
	32	SVYL	s_venh_yclip	0-3	0
	33	SVYE	s_venh_yenh	0-7	0
	34	SVCR	s_venh_ccore	0-3	0
	35	SVCL	s_venh_cclip	0-3	0
	36	SVCE	s_venh_cenh	0-7	0

Category	No	Item		Range	480i	Others
CXA3506R	0	MCON		0,1	64	64
	1	SCOR		0-255	128	128
	2	SCOG		0-255	128	128
	3	SCOB		0-255	128	128
	4	RGB		0-255	0	0

60	HDMI	720p	not assigned
61	HDMI	720p	not assigned
62	HDMI	720p	not assigned
63	HDMI	720p	not assigned

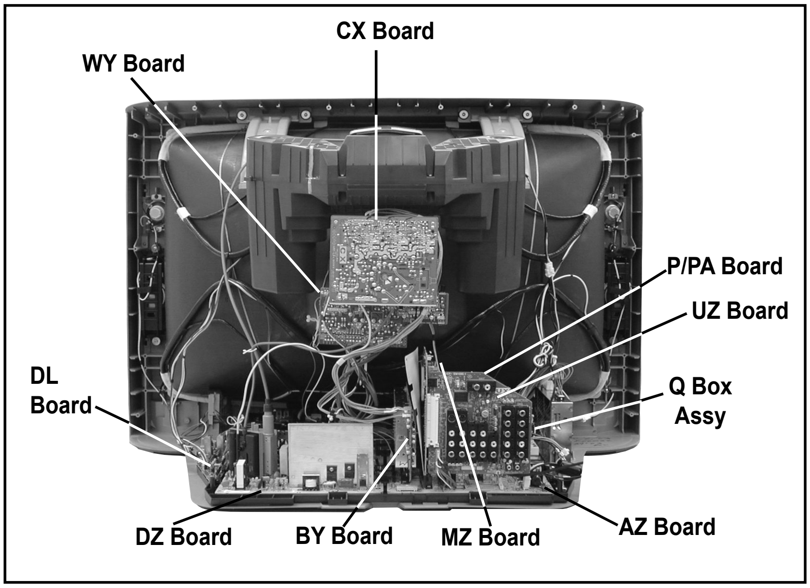
4-5. ID MAP TABLE

Legend: (blue) * NOT be memorized | (green) Fix data | (pink) Adjustment data at CBA | (yellow) Adjustment data at F/A

Category	No	Item	Range		KD-34XBR960 US	KD-34XBR960 HAWAII	KD-30XS955 US	KD-30XS955 HAWAII	KD-34XS955 US	KD-34XS955 CND	KD-34XS955 HAWAII	KD-36XS955 US	KD-36XS955 HAWAII	Note
ID	0	ID0		0-255	89	89	89	89	89	89	89	89	89	
	1	ID1		0-255	255	255	255	255	255	255	255	255	255	
	2	ID2		0-255	255	255	255	255	255	255	255	255	255	
	3	ID3		0-255	111	111	110	110	110	94	110	110	110	Vchip-US&CND/DRC Volume
	4	ID4		0-255	203	203	203	203	203	203	203	203	203	
	5	ID5		0-255	207	207	207	207	207	207	207	207	207	
	6	ID6		0-255	62	62	62	62	62	62	62	62	62	
	7	ID7		0-255	19	19	11	11	11	11	11	16	16	XBR(2 tuner)/16:9

SECTION 5: DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



The components identified by shading and ⚠ symbol are critical for safety. Replace only with part number specified.

The symbol [fuse symbol] indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Le symbole [fuse symbol] indique une fusible a action rapide. Doit etre remplace par une fusible de meme yaleur, comme maque.

The components identified by [X-ray symbol] in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

When replacing components identified by [adjustment symbol], make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by [X-ray symbol] and repeat the adjustment until the specified value is achieved.

5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in µF unless otherwise noted. pF : µµF 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. kΩ=1000Ω, MΩ=1000kΩ

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch : 5mm
Rating electrical power : $^1/_4$ W

$^1/_4$ W in resistance, $^1/_{10}$ W and $^1/_{16}$ W in chip resistance.

[symbol] : nonflammable resistor

[symbol] : fusible resistor

△ : internal component

[rectangle] : panel designation and adjustment for repair

⊥ : earth ground

[symbol] : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a 10MΩ digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S : Measurement impossibility.

▬▬ : B+line.

▬ ▬ [symbol] : B-line. (Actual measured value may be different).

⇨ : signal path. (RF)

Circled numbers are waveform references.

When replacing the parts listed in the table below, it is important to perform the related adjustments.

Part Replaced ([adjustment symbol])	Adjustment ([X-ray symbol])
DZ BOARD: IC6503, IC8001, IC8002, IC8004, IC8005, IC8104, D8022, PH8003, Q8007, Q8008, R6590, R8012, R8014, R8015, R8016, R8017, R8019, R8021, R8027, R8029, R8030, R8031, R8035, R8036, R8037,R8038, R8039, R8040, R8043, R8046, R8052, R8059, R8060, R8066, R8072, R8078, R8079, R8082, R8165, T8001	**HV ADJUST** No HV Adjustment Required

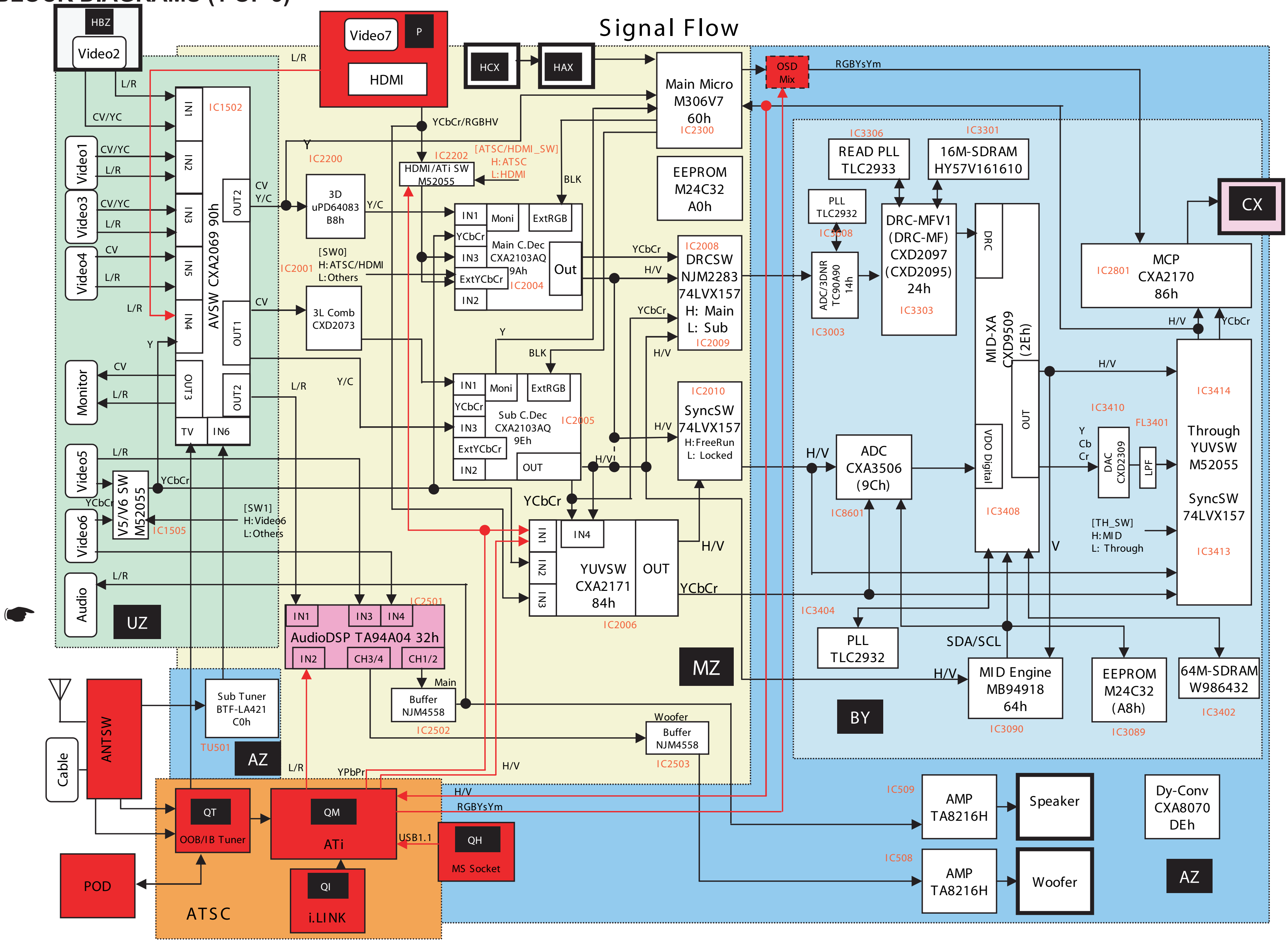
REFERENCE INFORMATION

RESISTOR		CAPACITOR	
: RN	METAL FILM	: TA	TANTALUM
: RC	SOLID	: PS	STYROL
: FPRD	NONFLAMMABLE CARBON	: PP	POLYPROPYLENE
: FUSE	NONFLAMMABLE FUSIBLE	: PT	MYLAR
: RW	NONFLAMMABLE WIREWOUND	: MPS	METALIZED POLYESTER
: RS	NONFLAMMABLE METAL OXIDE	: MPP	METALIZED POLYPROPYLENE
: RB	NONFLAMMABLE CEMENT	: ALB	BIPOLAR
: ※	ADJUSTMENT RESISTOR	: ALT	HIGH TEMPERATURE
		: ALR	HIGH RIPPLE

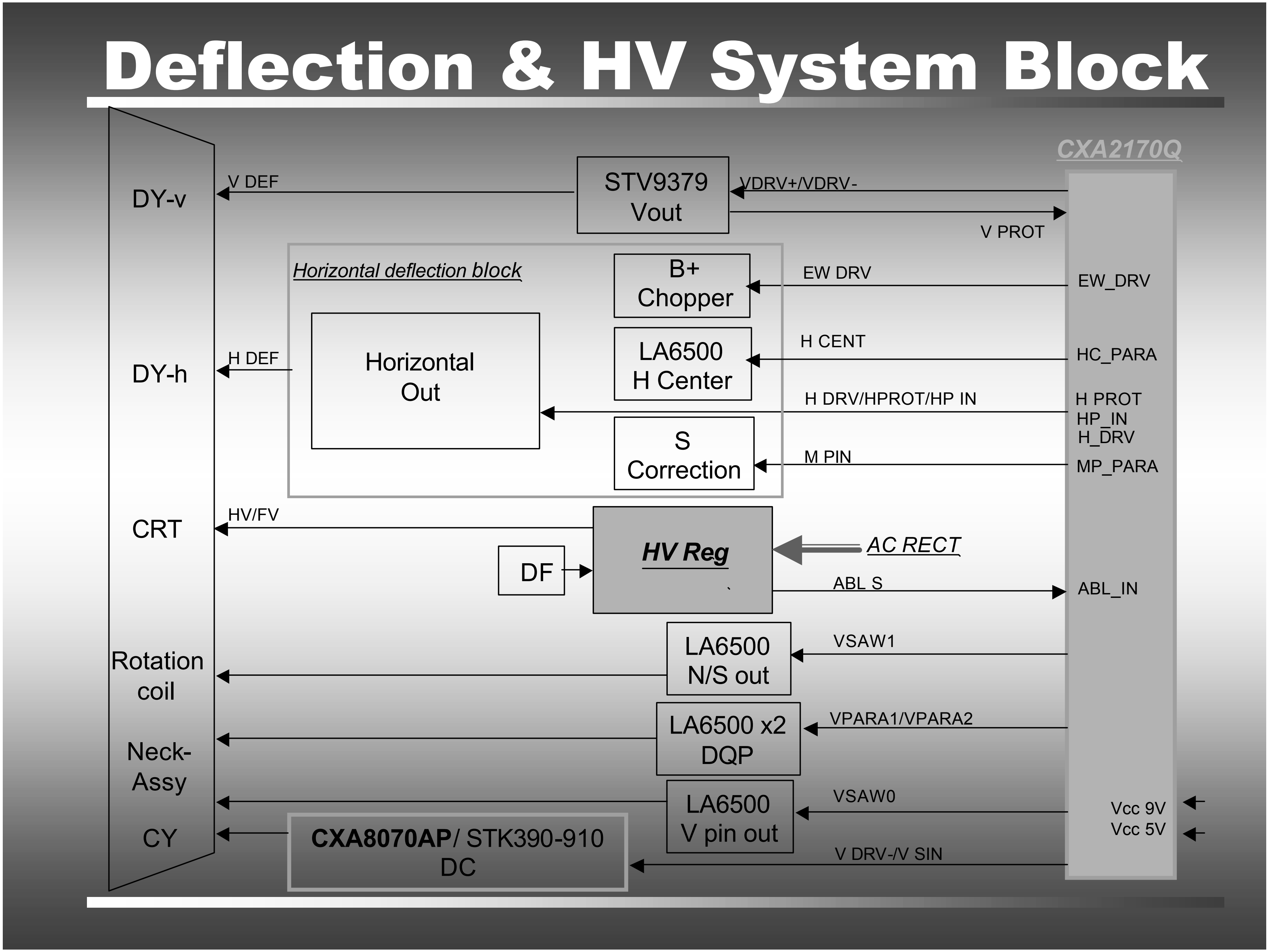
COIL	
: LF-8L	MICRO INDUCTOR

5-3. BLOCK DIAGRAMS

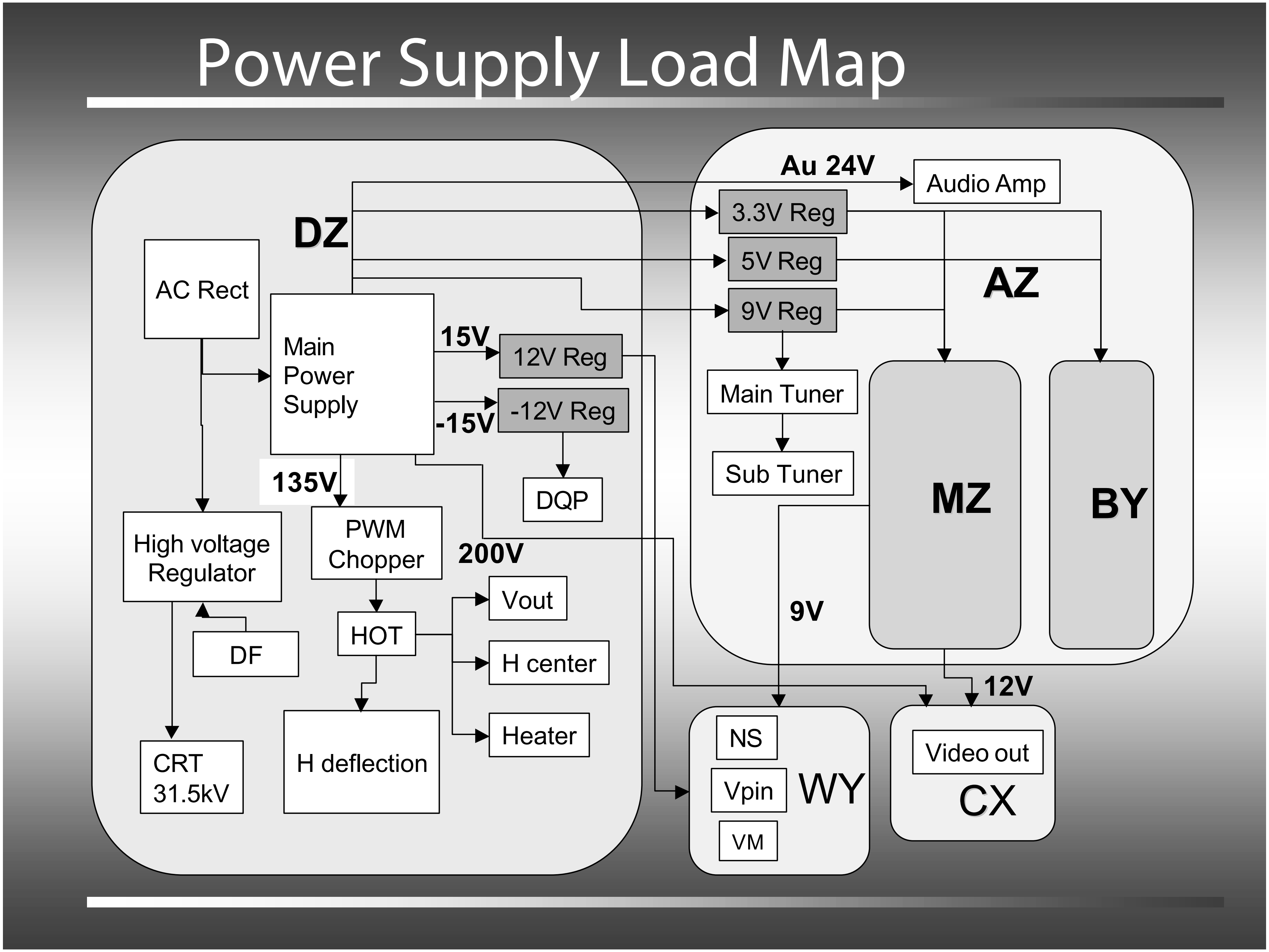
BLOCK DIAGRAMS (1 OF 3)



BLOCK DIAGRAMS (2 OF 3)

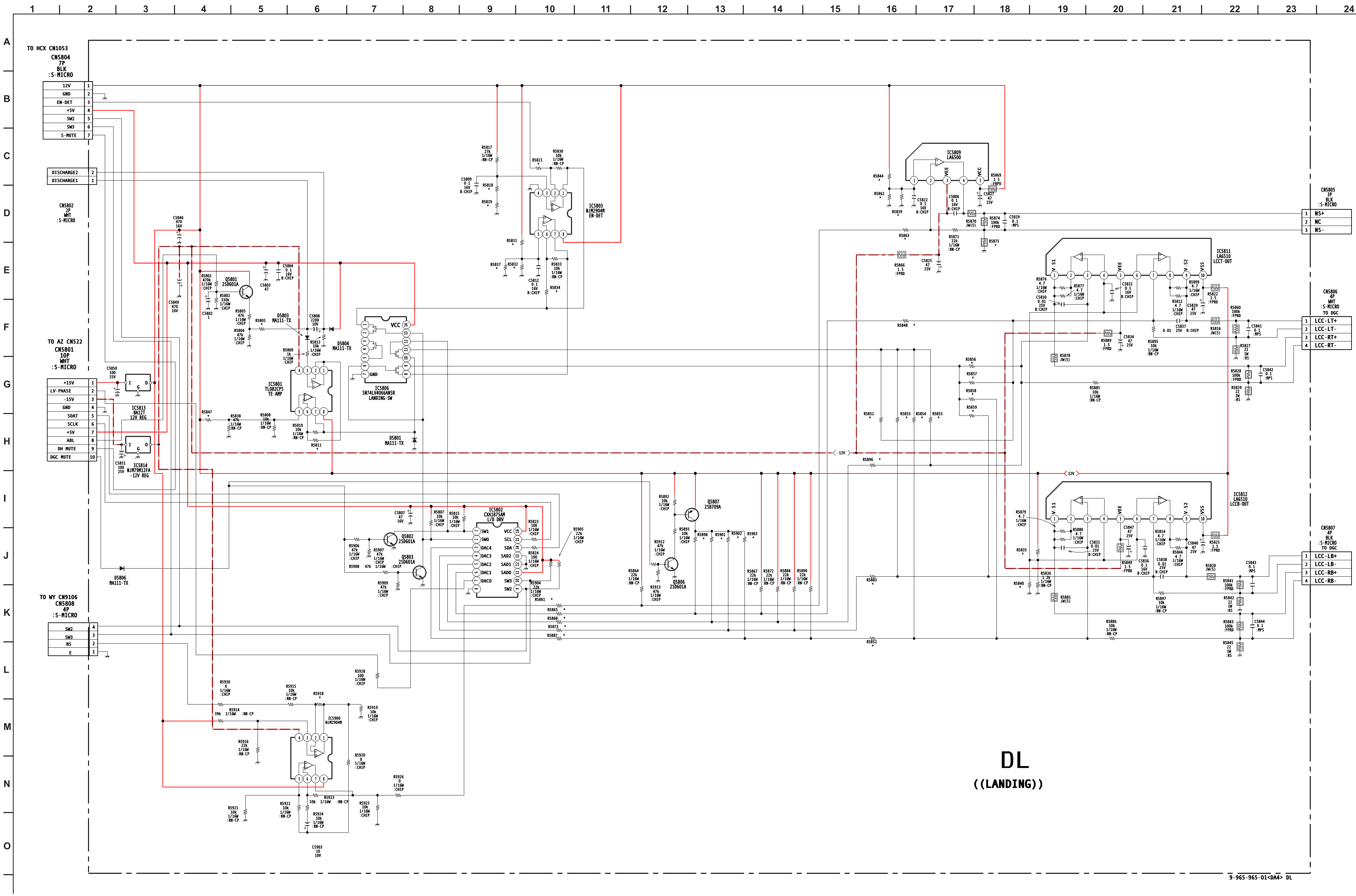


BLOCK DIAGRAMS (3 OF 3)



5-4. SCHEMATICS AND SUPPORTING INFORMATION

DL BOARD SCHEMATIC DIAGRAM



DL BOARD IC VOLTAGE LIST

IC5801	
PIN	VOLT
1	4.2
2	4.2
3	4.3
4	-12.0
5	1.5
6	1.5
7	0.7
8	12.0

IC5802	
PIN	VOLT
1	4.9
2	4.9
3	2.5
4	2.5
5	2.5
6	2.5
7	2.5
8	GND
9	4.2
10	4.9
11	5.0
12	GND
13	GND
14	4.6
15	4.5
16	5.0

IC5803	
PIN	VOLT
1	0.0
2	3.4
3	3.4
4	GND
5	0.0
6	0.0
7	0.0
8	12.0

IC5806	
PIN	VOLT
1	2.1
2	NC
3	NC
4	NC
5	NC
6	4.9
7	0.0
8	GND
9	1.3
10	0.0
11	0.8
12	0.0
13	0.0
14	5.0

IC5809	
PIN	VOLT
1	2.1
2	2.1
3	-12.0
4	-0.2
5	12.0

IC5811	
PIN	VOLT
1	0.6
2	0.7
3	1.3
4	1.3
5	-12.0
6	1.3
7	1.3
8	1.0
9	1.0
10	12.0

IC5812	
PIN	VOLT
1	0.9
2	1.0
3	1.0
4	1.3
5	-12.0
6	1.3
7	1.3
8	0.0
9	0.8
10	12.0

IC5813	
PIN	VOLT
I	15.0
O	12.0
GND	GND

IC5814	
PIN	VOLT
I	-15.0
O	-12.0
GND	GND

IC5900	
PIN	VOLT
1	5.2
2	4.3
3	4.3
4	-12.0
5	2.6
6	2.6
7	2.6
8	12.0

All voltages are in V.

DL BOARD TRANSISTOR VOLTAGE LIST

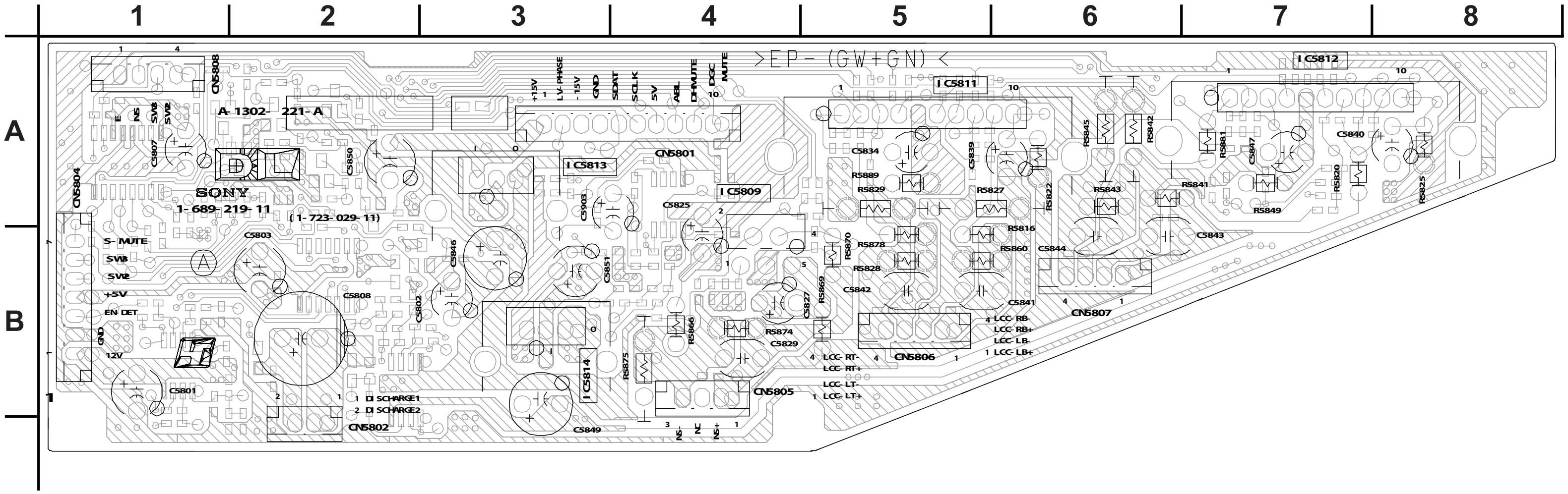
	B	C	E
Q5801	14.1	12.0	0.0
Q5802	0.0	5.0	GND
Q5803	0.0	5.0	GND
Q5806	0.0	12.0	GND
Q5807	12.0	0.0	12.0

All voltages are in V.

DL

[LANDING]

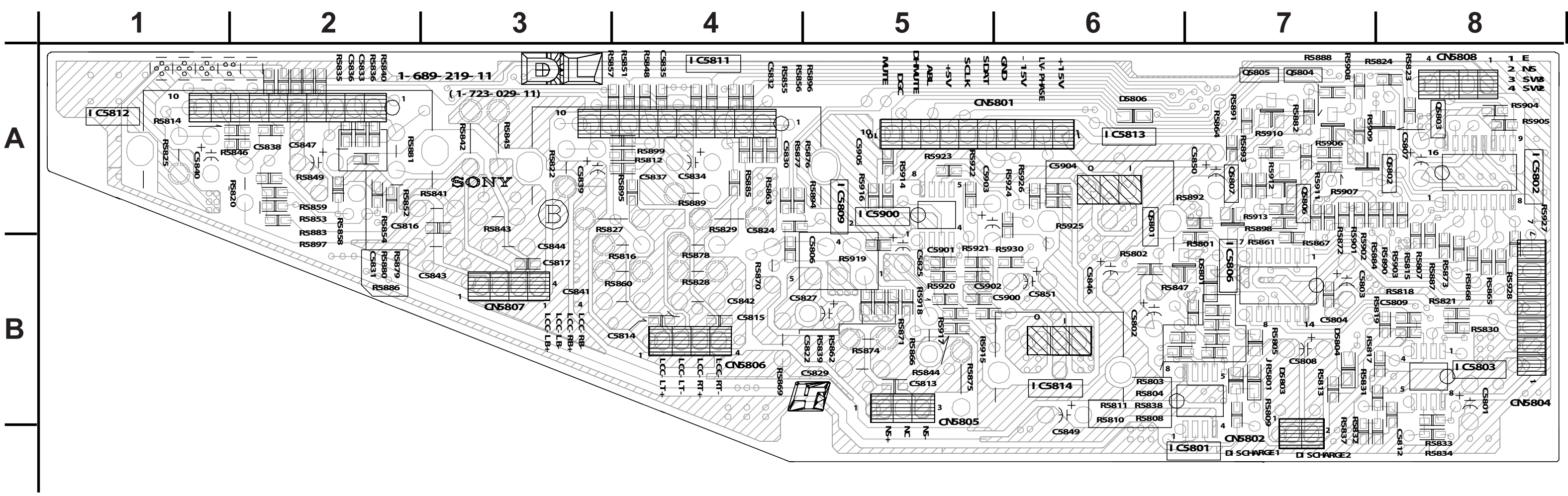
COMPONENT SIDE



DL

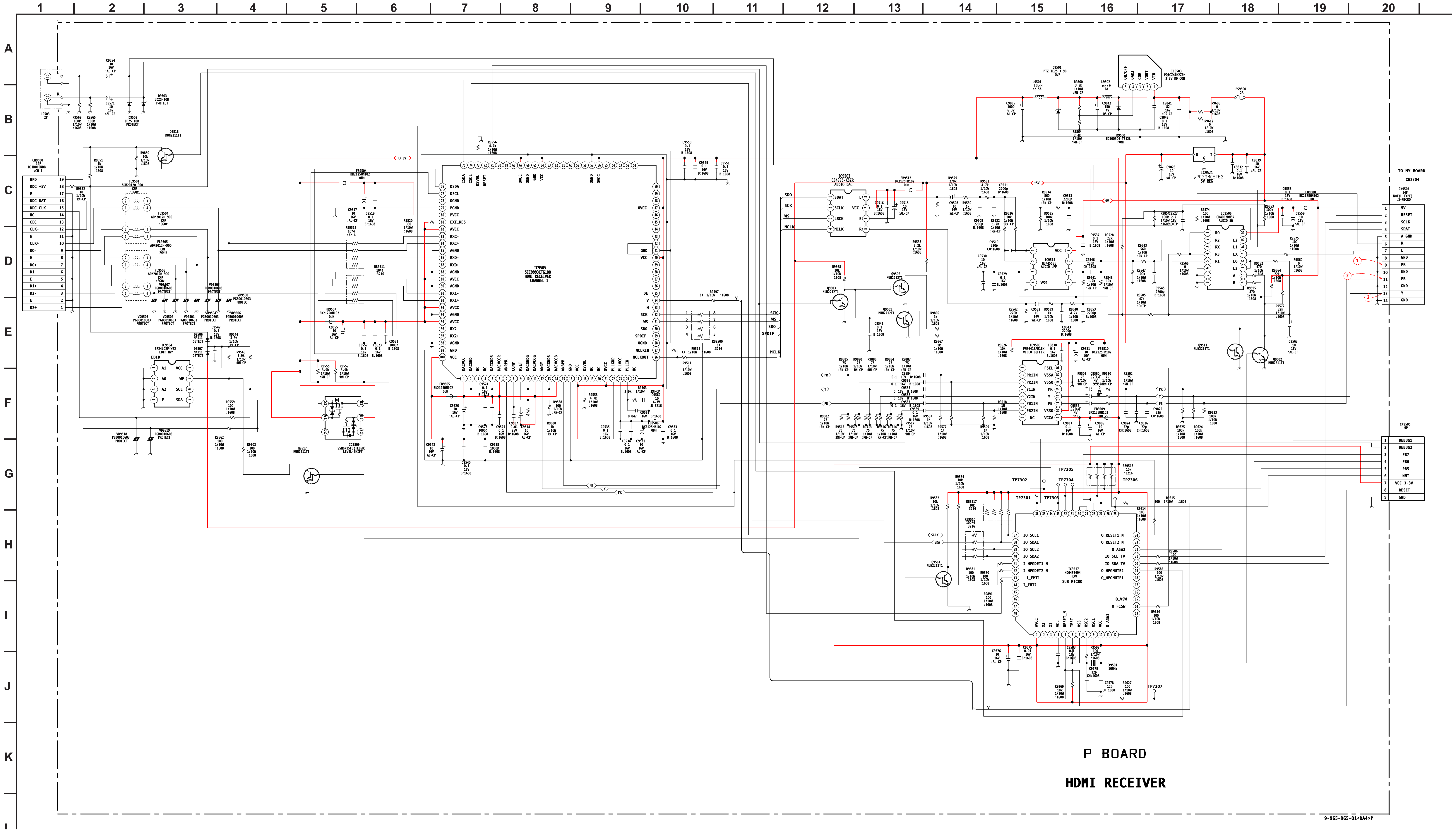
[LANDING]

CONDUCTOR SIDE

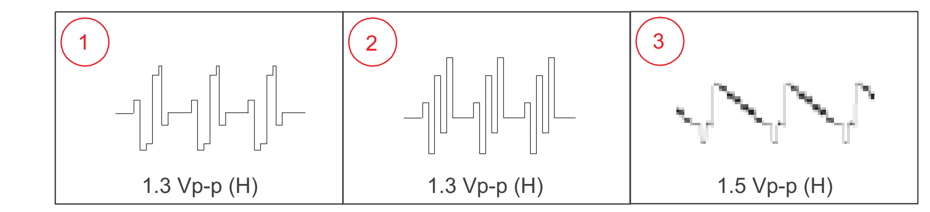


P BOARD SCHEMATIC DIAGRAM

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.

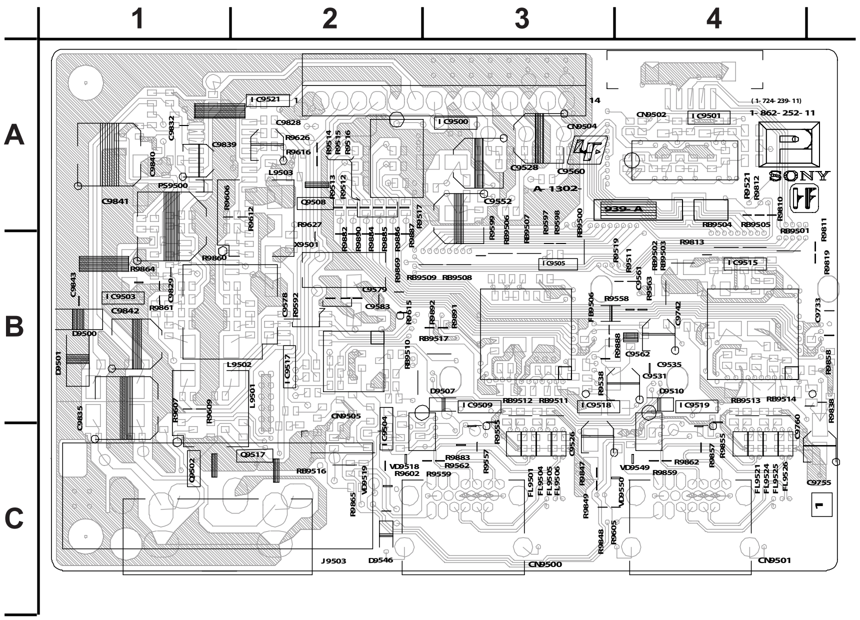


P/PA BOARD WAVEFORMS



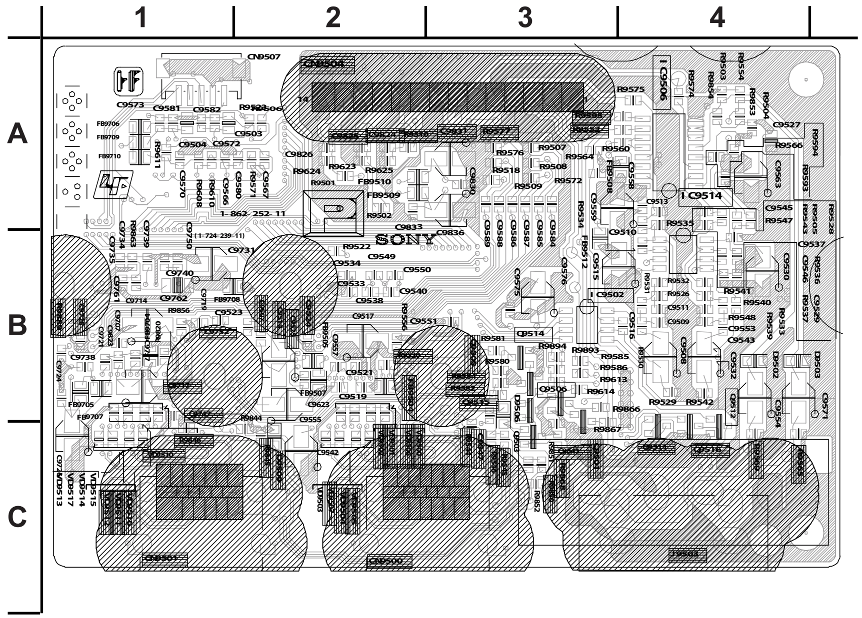
P [HDMI RECEIVER]

COMPONENT SIDE



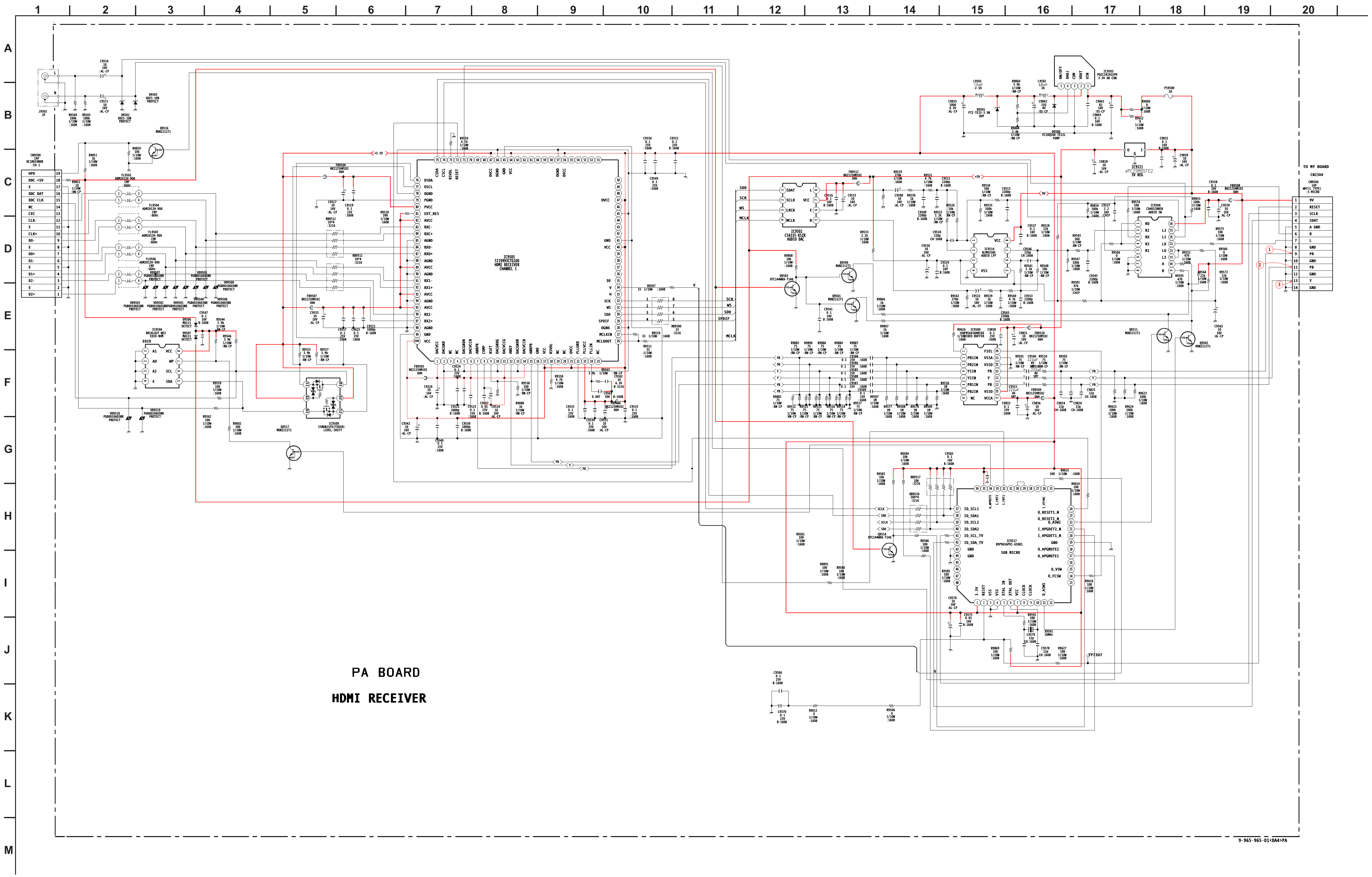
P [HDMI RECEIVER]

CONDUCTOR SIDE

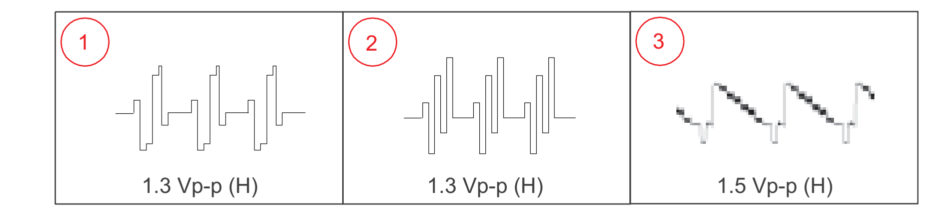


PA BOARD SCHEMATIC DIAGRAM

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

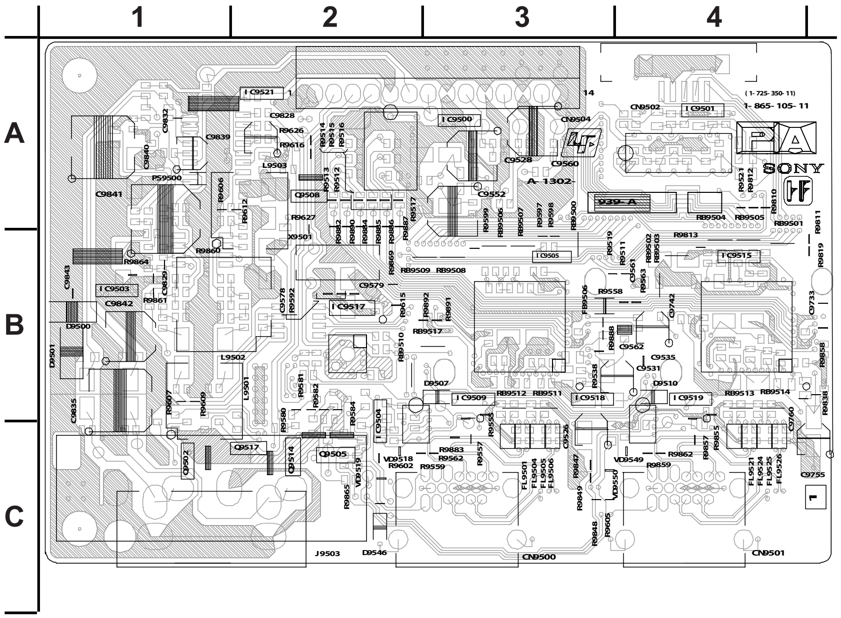


P/PA BOARD WAVEFORMS



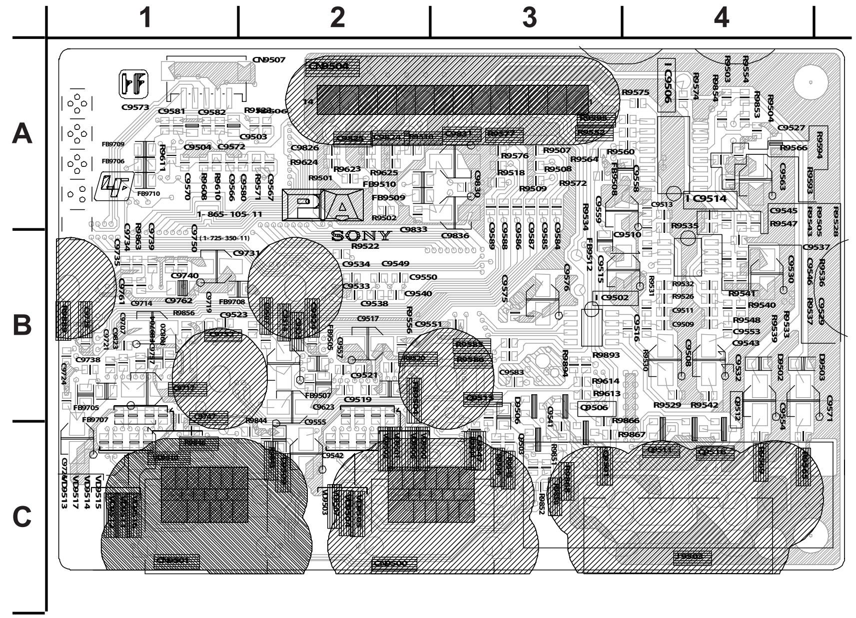
PA [HDMI RECEIVER]

COMPONENT SIDE

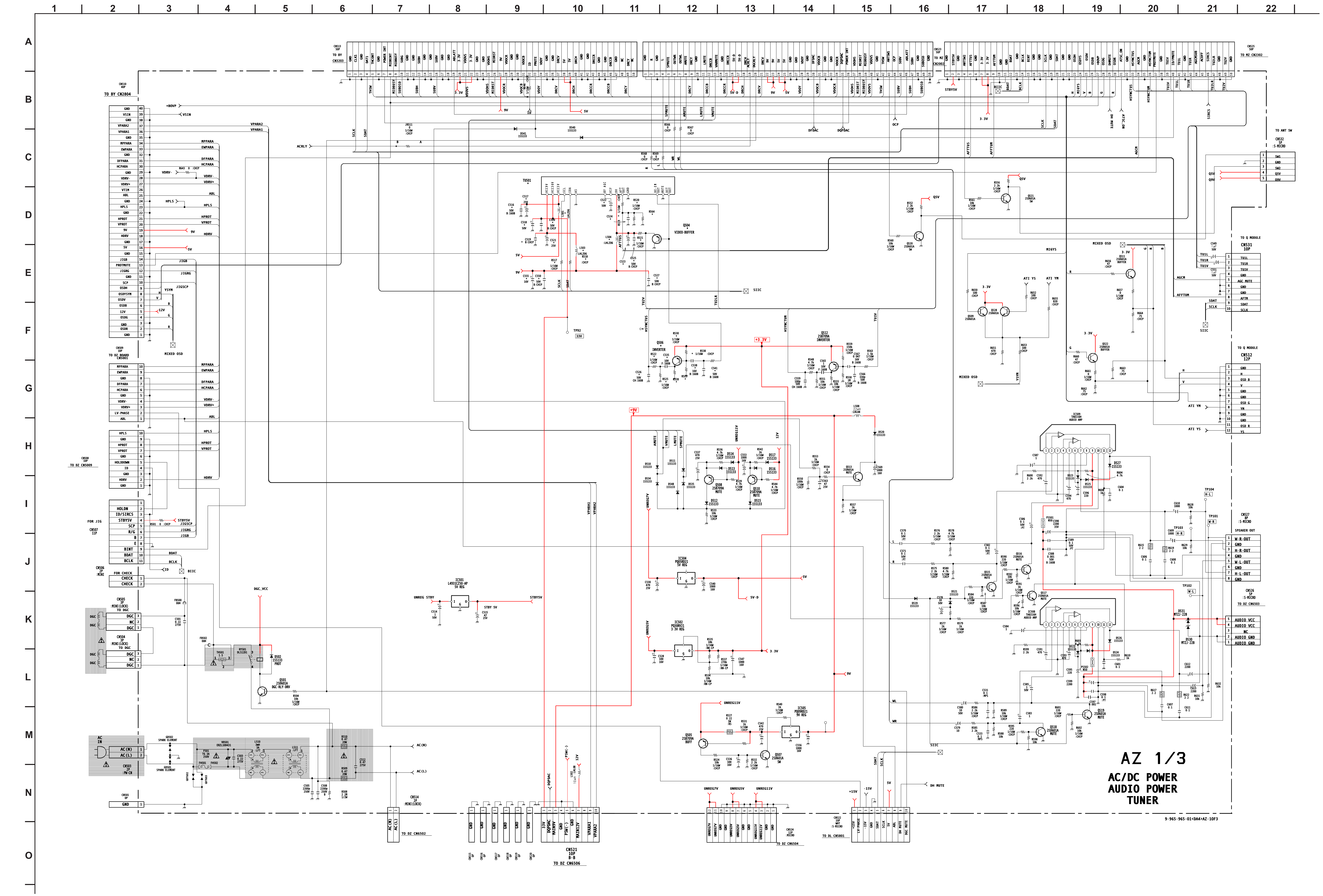


PA [HDMI RECEIVER]

CONDUCTOR SIDE



AZ BOARD SCHEMATIC DIAGRAM (1 OF 3)



AZ BOARD IC VOLTAGE LIST

IC501		IC508		8	5.1	6	5.0	IC6900		IC6901	
PIN	VOLT	PIN	VOLT	9	24.0	7	5.0	PIN	VOLT	PIN	VOLT
I	7.0	1	1.6	10	0.0	8	5.0	1	2.6	1	2.5
O	5.0	2	0.1	11	4.4	9	5.0	2	1.8	2	GND
GND	GND	3	GND	12	10.7	10	12.0	3	2.2	3	6.0
IC502		4	0.1	IC900		11	4.5	4	2.5	IC6902	
PIN	VOLT	5	1.6	PIN	VOLT	12	5.0	5	GND	PIN	VOLT
I	5.0	6	7.9	1	3.3	13	5.0	6	0.0	I	6.9
O	3.3	7	11.0	2	3.3	14	1.2	7	4.6	O	5.0
GND	GND	8	5.1	3	0.1	15	5.0	8	17.9	GND	GND
4	3.4	9	24.0	4	-15.7	16	4.6	9	0.0	VC	2.6
IC504		10	0.0	5	GND	17	4.6	10	10.5		
PIN	VOLT	11	4.4	6	15.3	18	GND	11	GND		
I	7.0	12	10.6	7	N/C	IC904		12	4.8		
O	5.0	IC509		8	3.3	PIN	VOLT	13	N/C		
GND	GND	PIN	VOLT	9	GND	1	0.4	14	151.8		
4	N/C	1	1.6	IC903		2	3.4	15	142.2		
IC505		2	0.1	PIN	VOLT	3	4.9	16	146.3		
PIN	VOLT	3	GND	1	4.9	4	GND	17	N/C		
I	11.0	4	0.1	2	4.9	5	6.1	18	306.1		
O	9.0	5	1.6	3	4.9	6	4.9				
GND	GND	6	8.0	4	4.9	7	0.4				
4	2.3	7	11.0	5	N/C	8	12.0				

All voltages are in V.

AZ BOARD TRANSISTOR VOLTAGE LIST

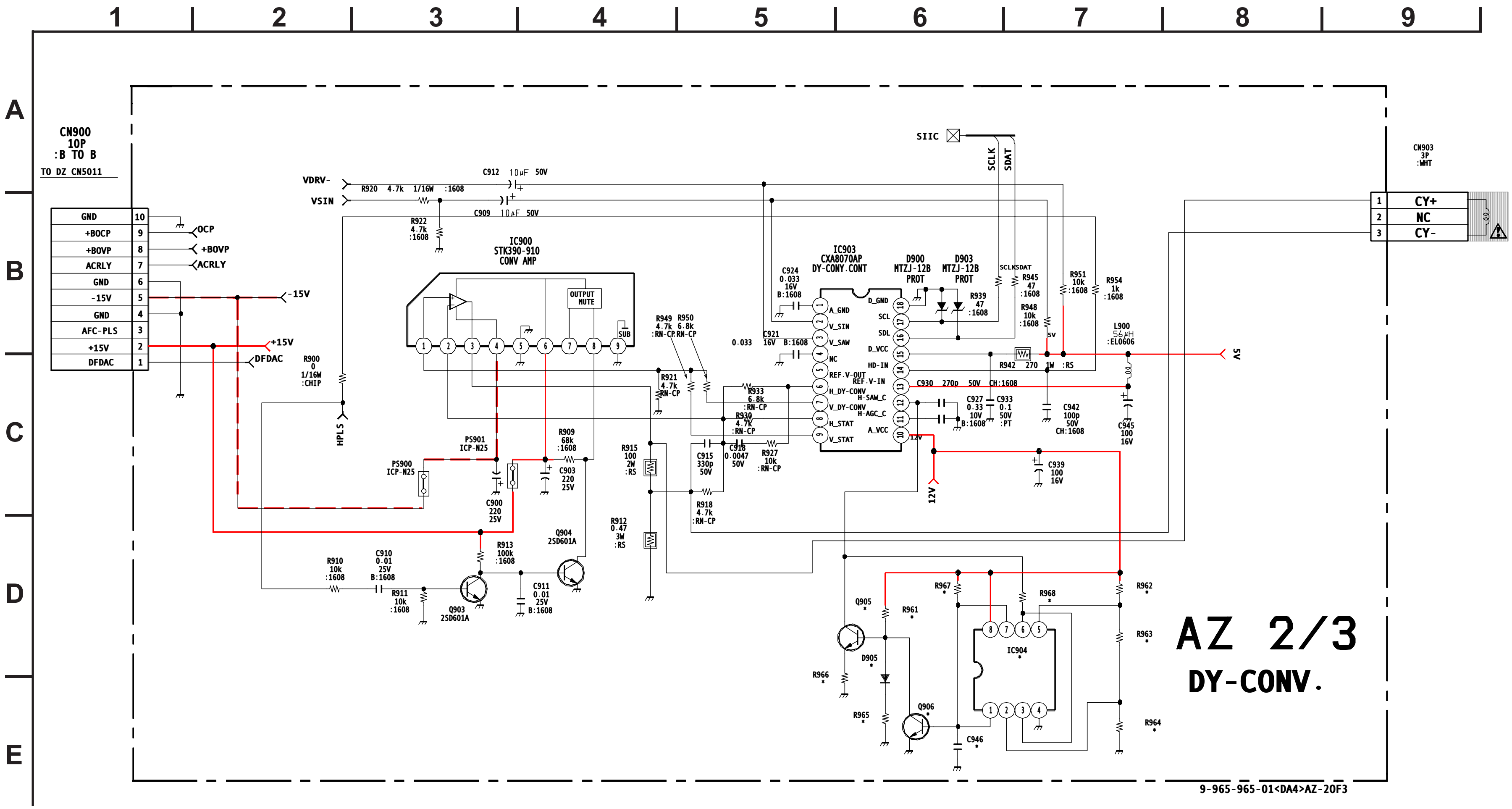
	B	C	E
Q501	0.1	19.4	GND
Q504	3.9	GND	4.5
Q505	10.0	0.1	11.0
Q506	3.5	0.5	3.3
Q507	0.1	2.3	GND
Q508	10.5	0.3	0.0
Q509	0.0	3.3	0.7
Q510	12.0	0.0	12.0
Q511	0.0	3.3	0.0
Q512	3.3	0.5	3.3
Q513	0.0	9.0	0.0
Q514	5.9	GND	6.5
Q515	0.0	0.0	GND
Q516	0.0	0.0	GND
Q517	0.0	4.4	GND
Q518	0.0	0.0	GND
Q519	0.0	0.0	GND
Q520	0.0	4.3	GND
Q521	0.0	4.3	GND
Q522	0	3.3	0
Q528	0.8	3.3	0.7
Q905	0.0	4.9	0.6
Q906	0.0	0.9	GND
Q6903	18.1	18.8	18.8
Q6904	0.6	0	GND

	D	G	S
Q6900	10.9	128.8	135.0
Q6901	63.9	3.8	GND

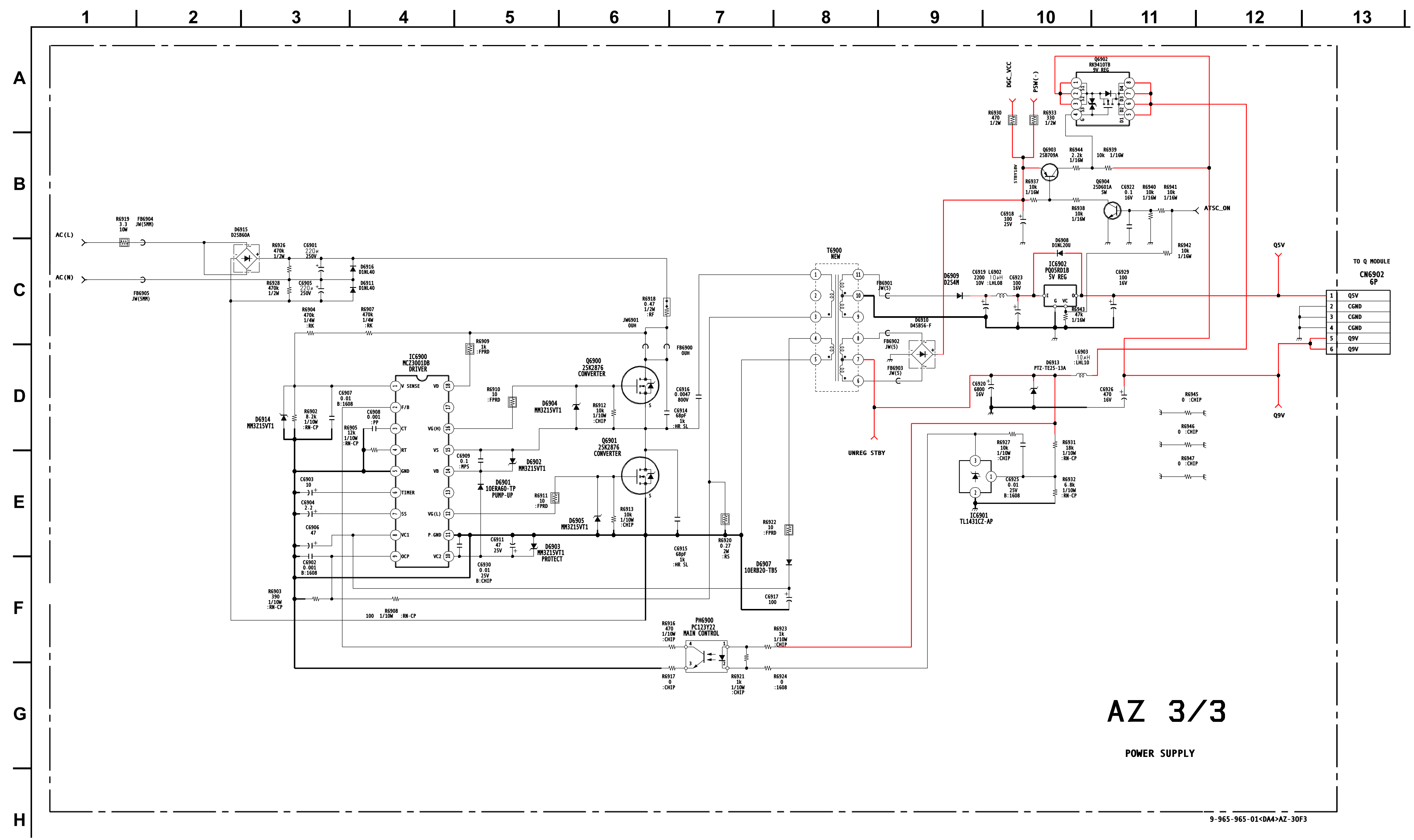
Q6902	
PIN	VOLT
1	9.0
2	9.0
3	9.0
4	17.0
5	9.0
6	9.0
7	9.0
8	9.0

All voltages are in V.

AZ BOARD SCHEMATIC DIAGRAM (2 OF 3)

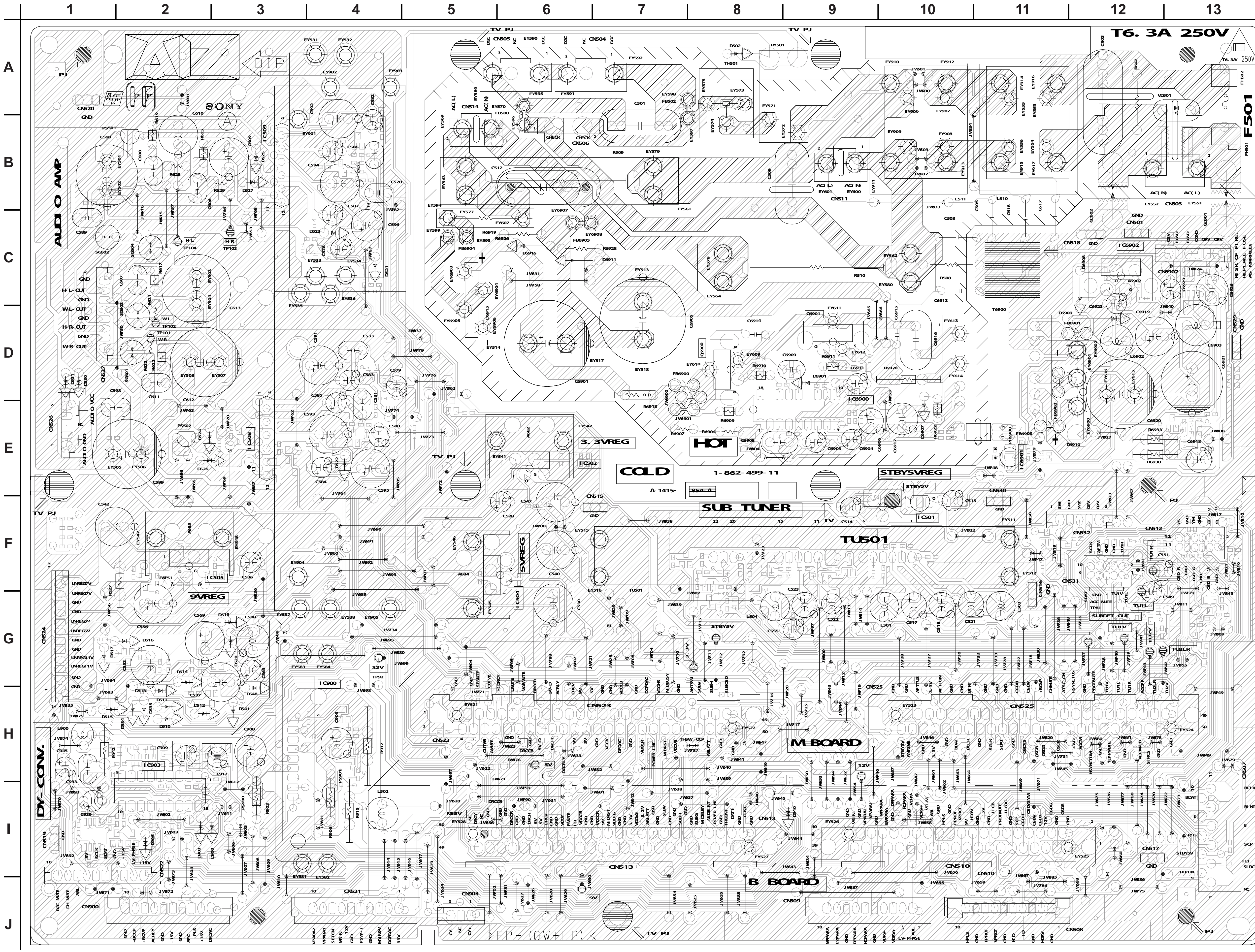


AZ BOARD SCHEMATIC DIAGRAM (3 OF 3)



AZ [AC/DC POWER, AUDIO POWER, TUNER, DY-CONV, POWER SUPPLY]

COMPONENT SIDE

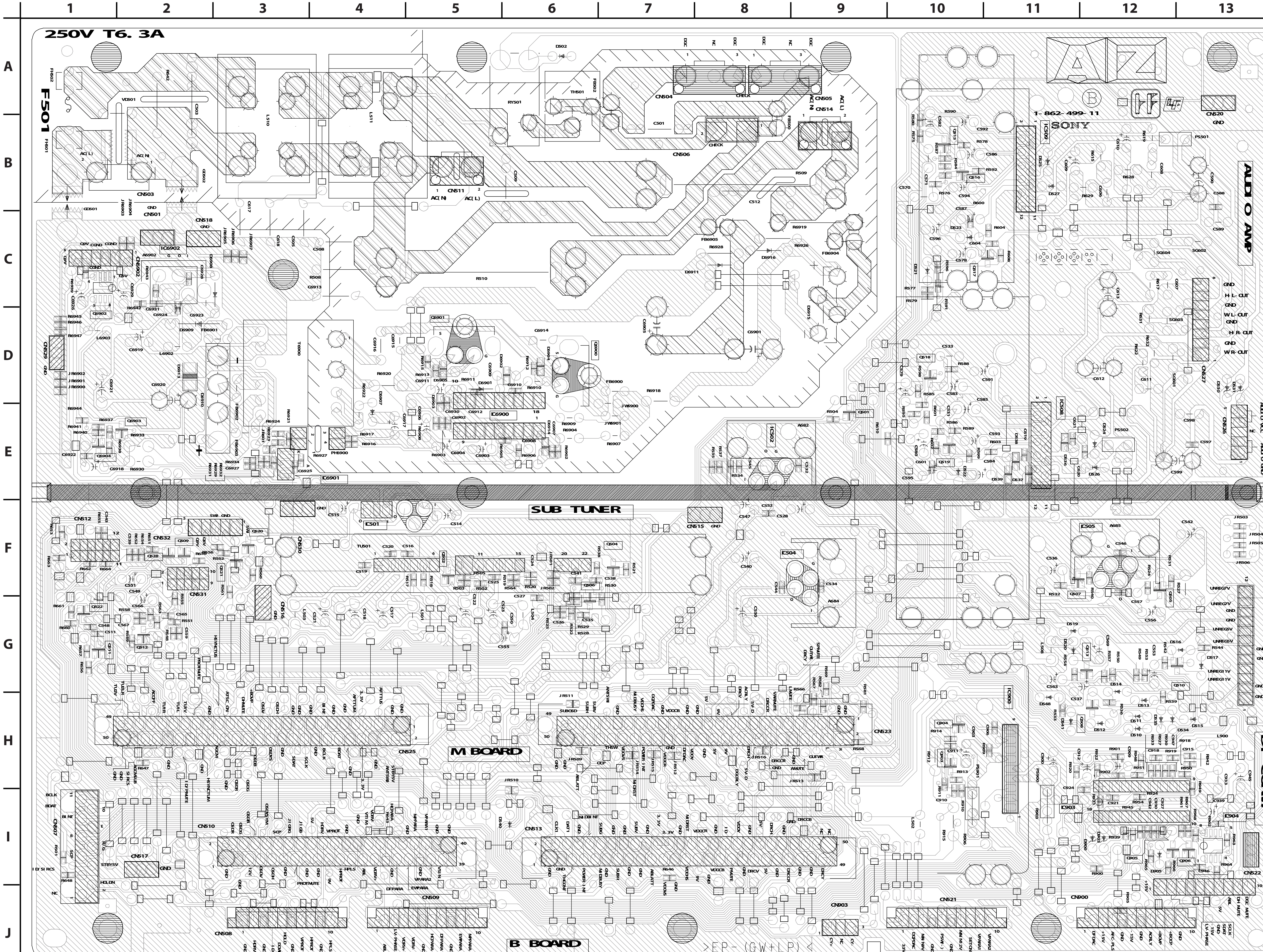


AZ [AC/DC POWER, AUDIO POWER, TUNER, DY-CONV, POWER SUPPLY]

CONDUCTOR SIDE

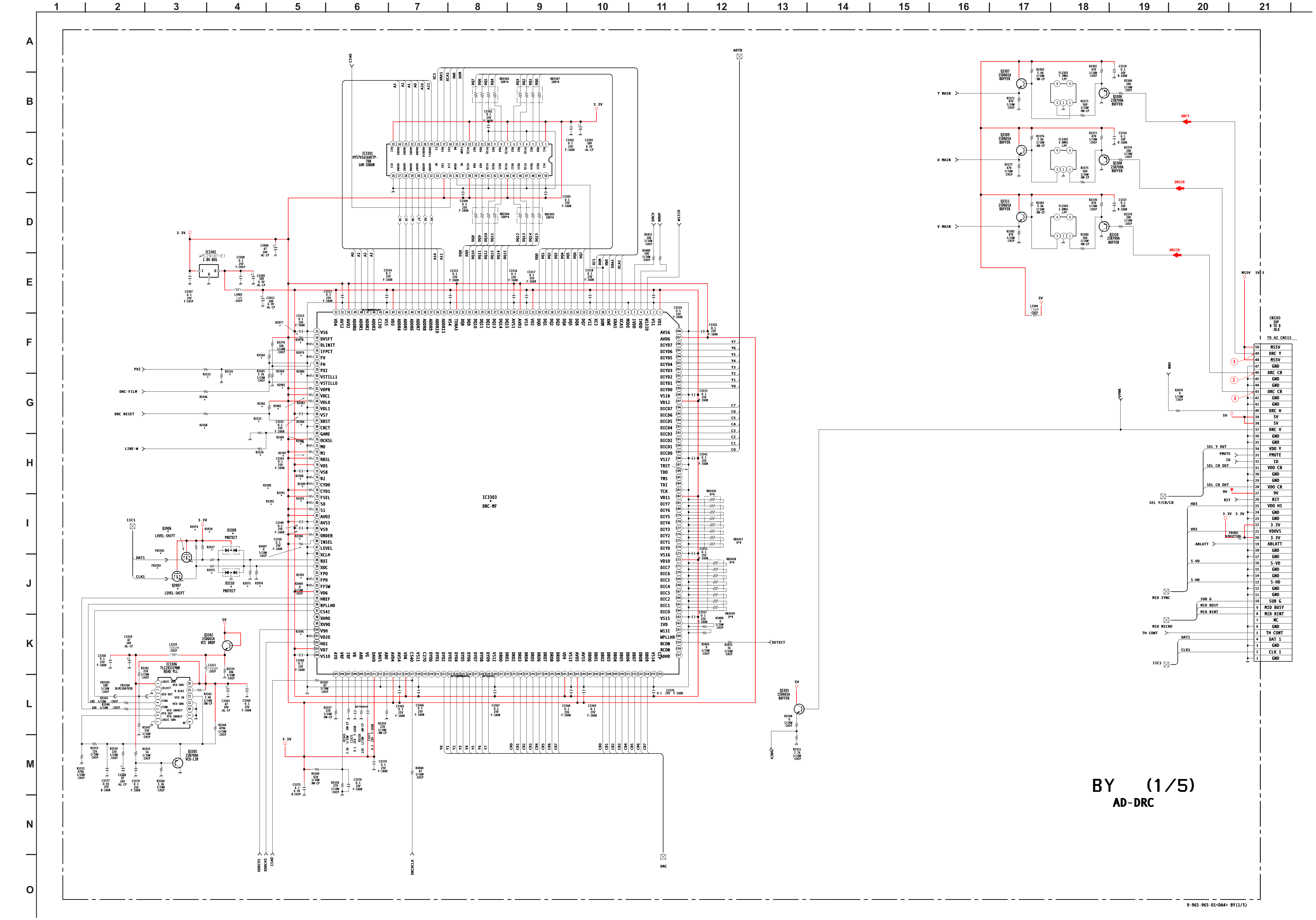
AZ BOARD LOCATOR LIST (CONDUCTOR SIDE)

DIODE		IC	
		IC501	C-8
D502	A-6	IC502	C-8
D510	H-12	IC504	D-9
D511	H-12	IC505	F-9
D512	H-12	IC508	E-11
D513	G-12	IC509	B-11
D514	G-12	IC900	G-11
D515	H-13	IC903	I-11
D516	G-13	IC904	I-13
D517	G-13	IC6900	E-6
D519	G-12	IC6901	E-4
D520	G-12	IC6902	C-2
D521	C-10	**TRANSISTOR**	
D522	E-10	Q501	E-9
D523	C-10	Q504	F-7
D524	E-12	Q505	G-12
D525	B-11	Q506	F-6
D526	E-12	Q507	F-11
D527	C-11	Q508	H-12
D530	D-13	Q509	F-3
D531	D-13	Q510	G-13
D534	H-12	Q511	G-2
D535	H-11	Q512	G-2
D540	I-6	Q513	G-12
D541	H-11	Q515	B-10
D548	H-11	Q516	B-10
D900	I-11	Q517	C-10
D903	I-12	Q518	D-10
D905	I-12	Q519	E-10
D6901	D-5	Q520	F-3
D6902	D-6	Q521	F-3
D6903	E-5	Q522	G-2
D6904	D-6	Q528	F-2
D6905	D-5	Q903	H-10
D6907	E-4	Q904	H-10
D6908	C-3	Q905	I-12
D6909	D-3	Q906	I-13
D6910	D-2	Q6900	D-6
D6911	C-8	Q6901	D-5
D6913	D-2	Q6902	D-2
D6914	E-6	Q6903	E-2
D6915	D-9	Q6904	E-2
D6916	C-8		

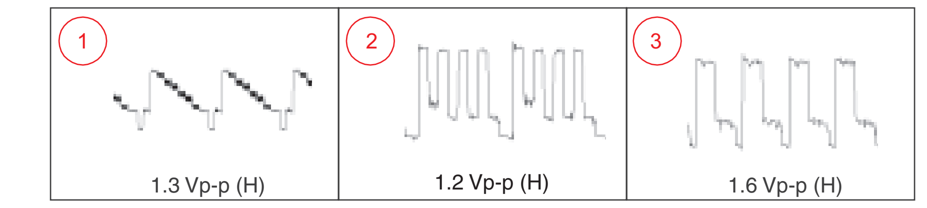


BY BOARD SCHEMATIC DIAGRAM (1 OF 5)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

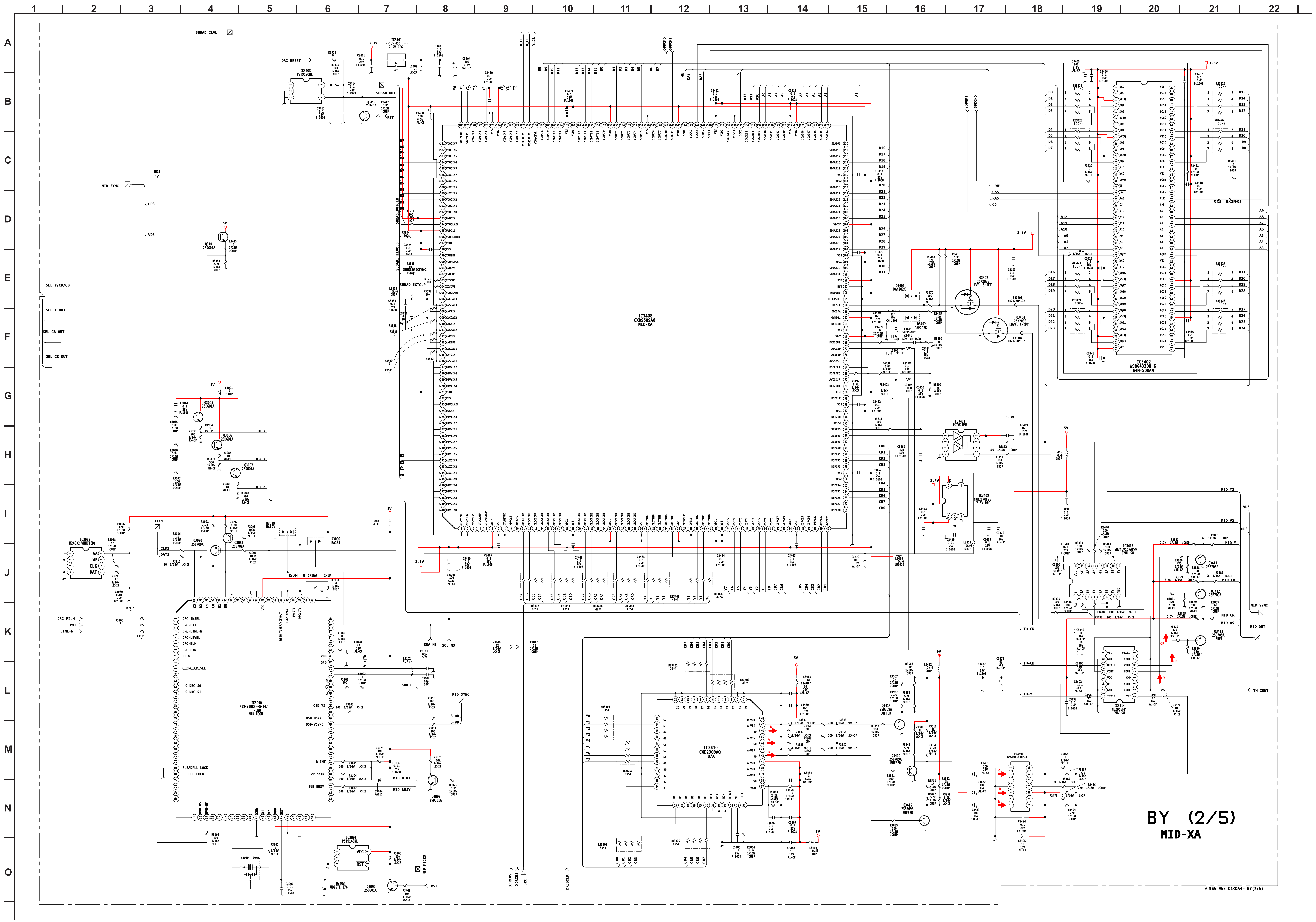


BY BOARD WAVEFORMS



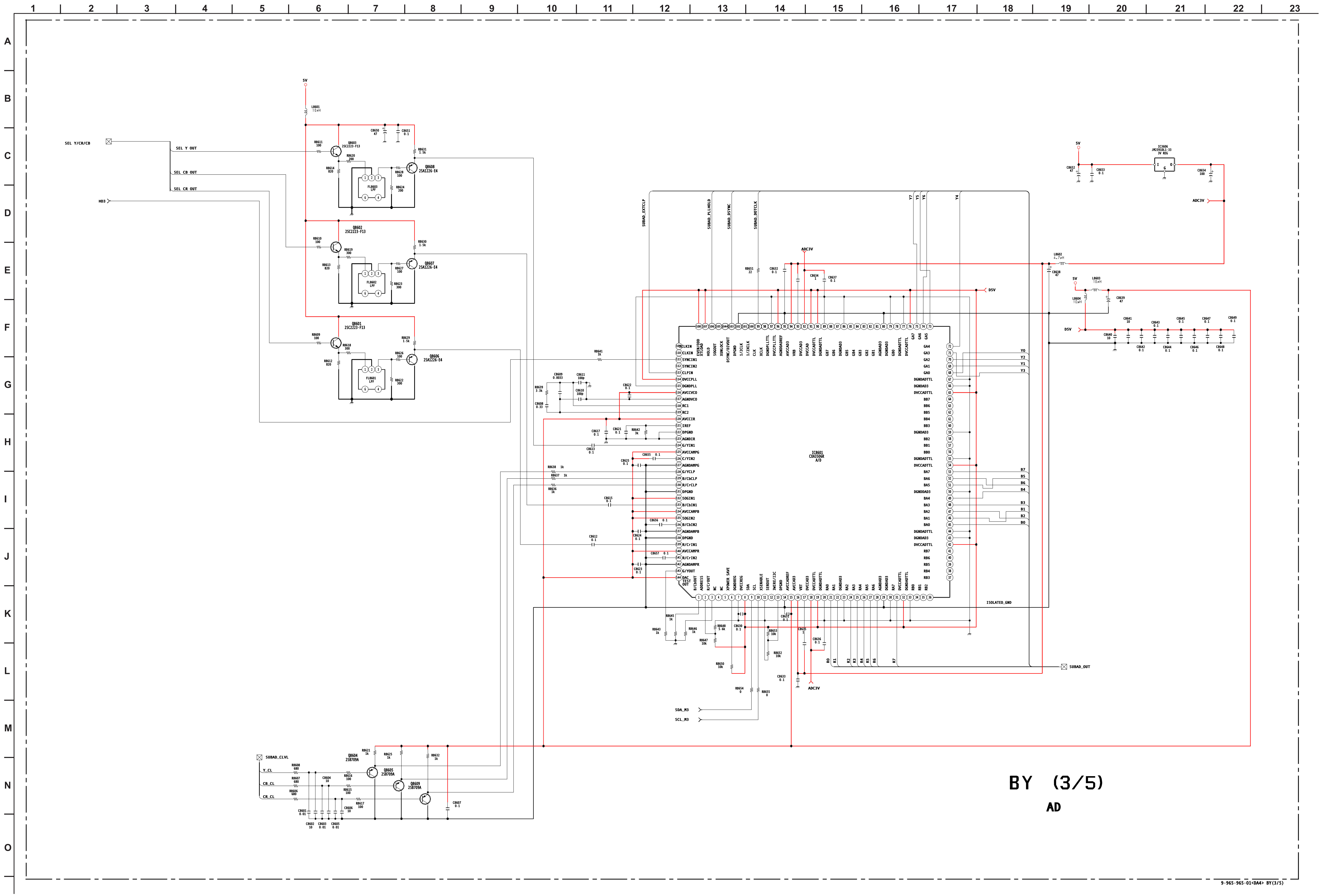
BY BOARD SCHEMATIC DIAGRAM (2 OF 5)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.



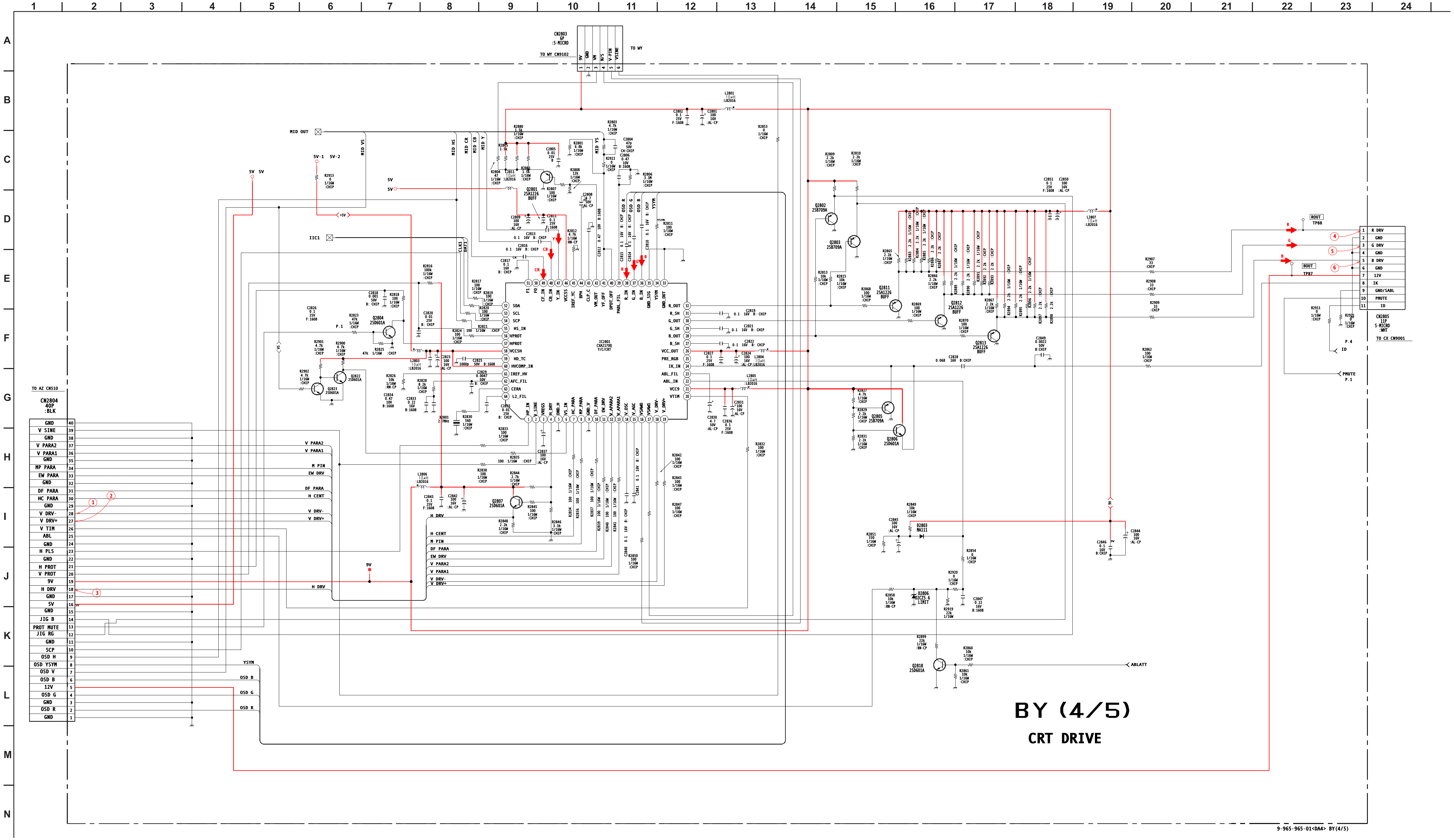
BY BOARD SCHEMATIC DIAGRAM (3 OF 5)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

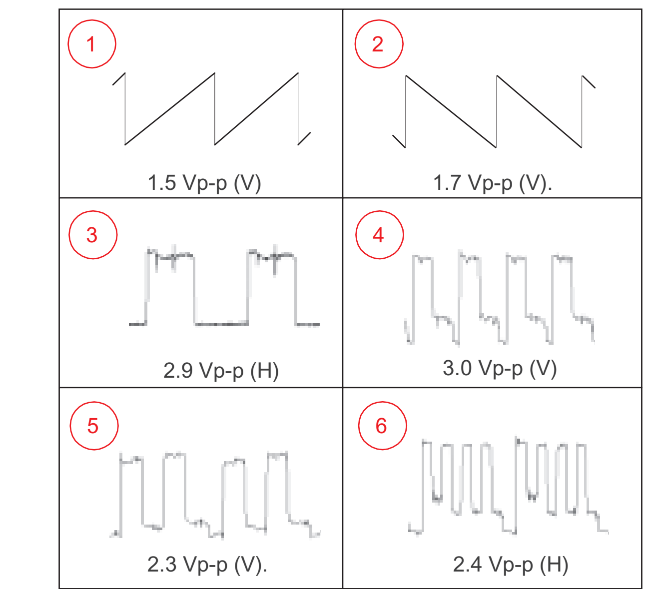


BY BOARD SCHEMATIC DIAGRAM (4 OF 5)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

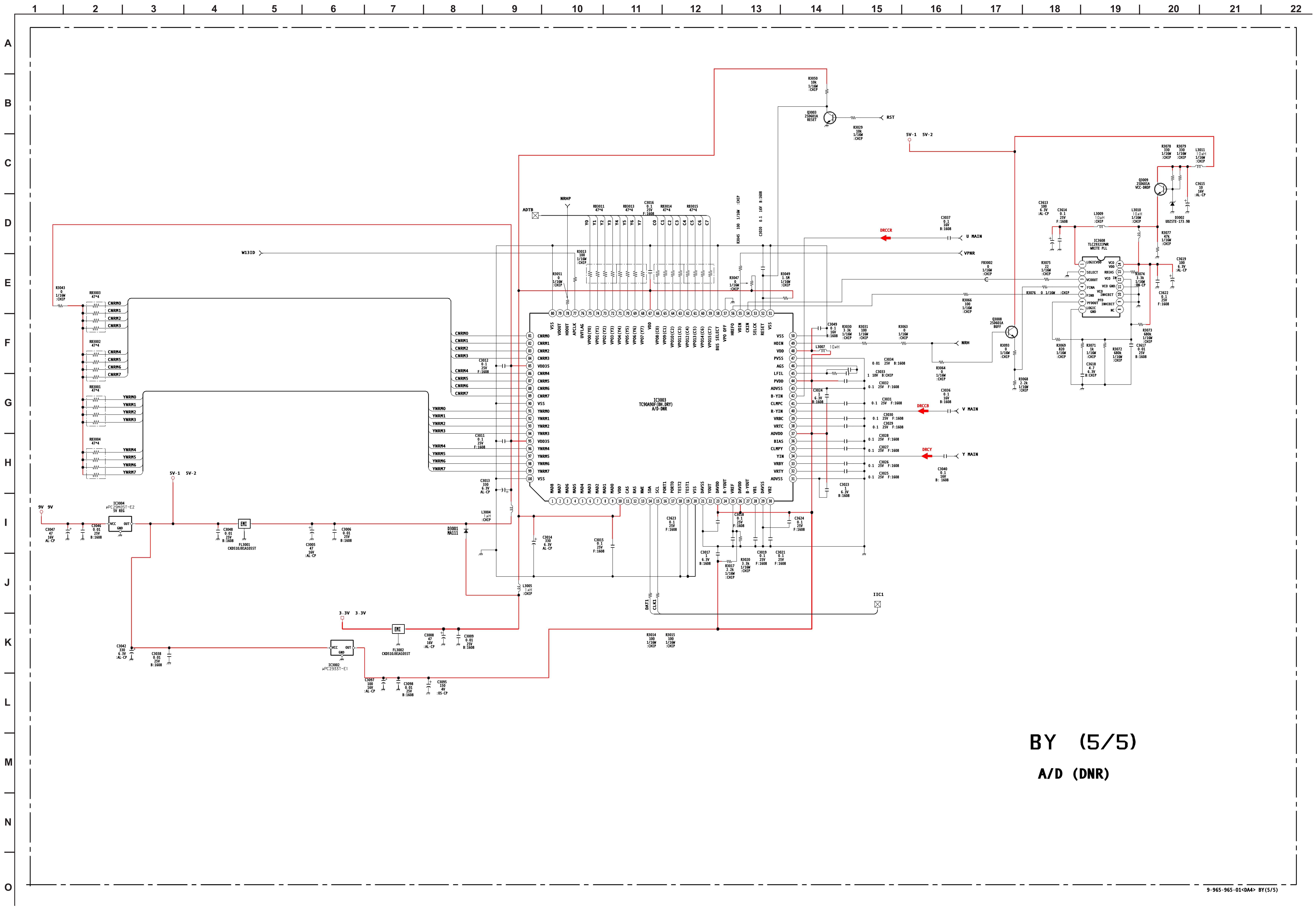


BY BOARD WAVEFORMS



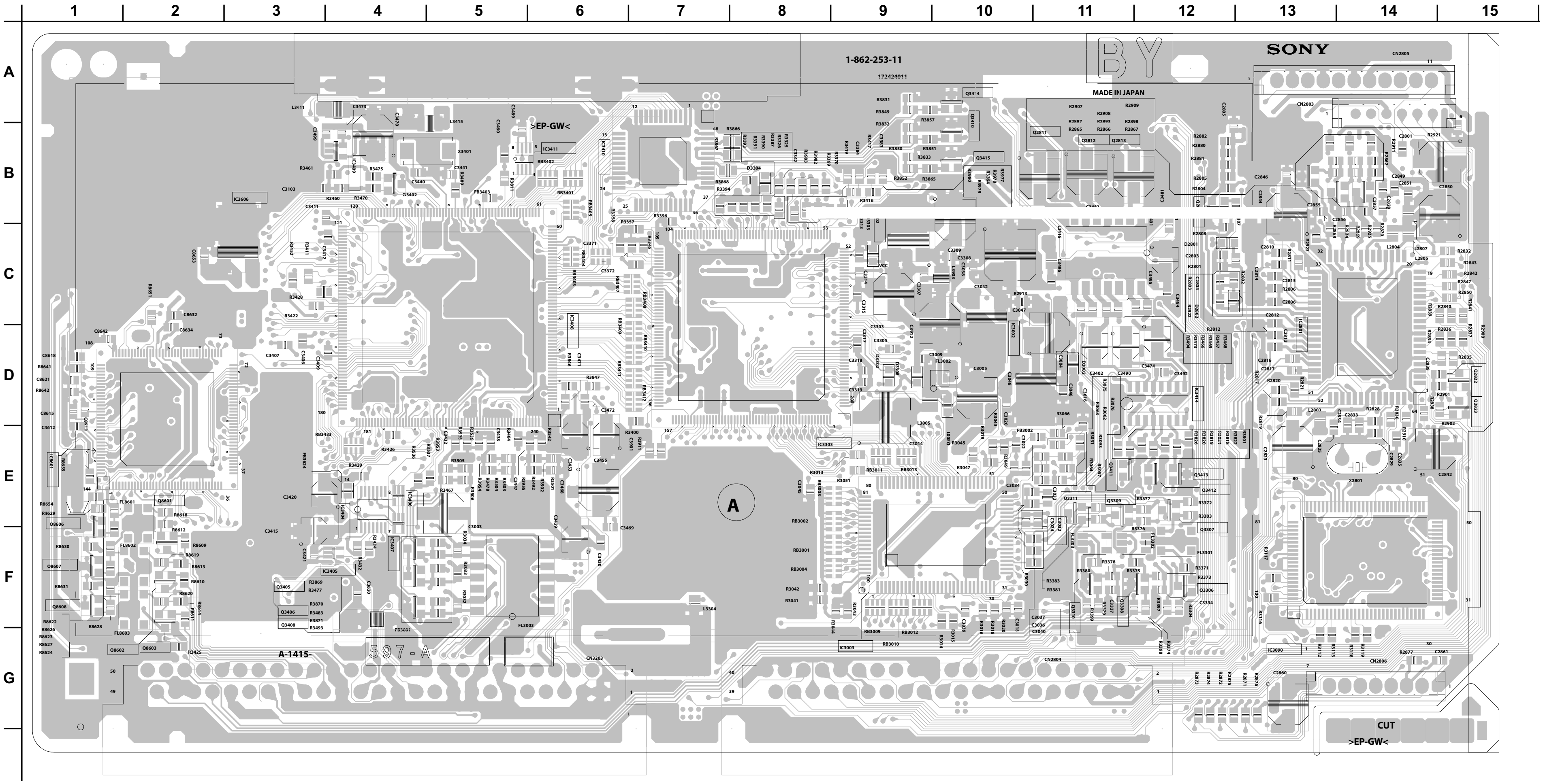
BY BOARD SCHEMATIC DIAGRAM (5 OF 5)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.



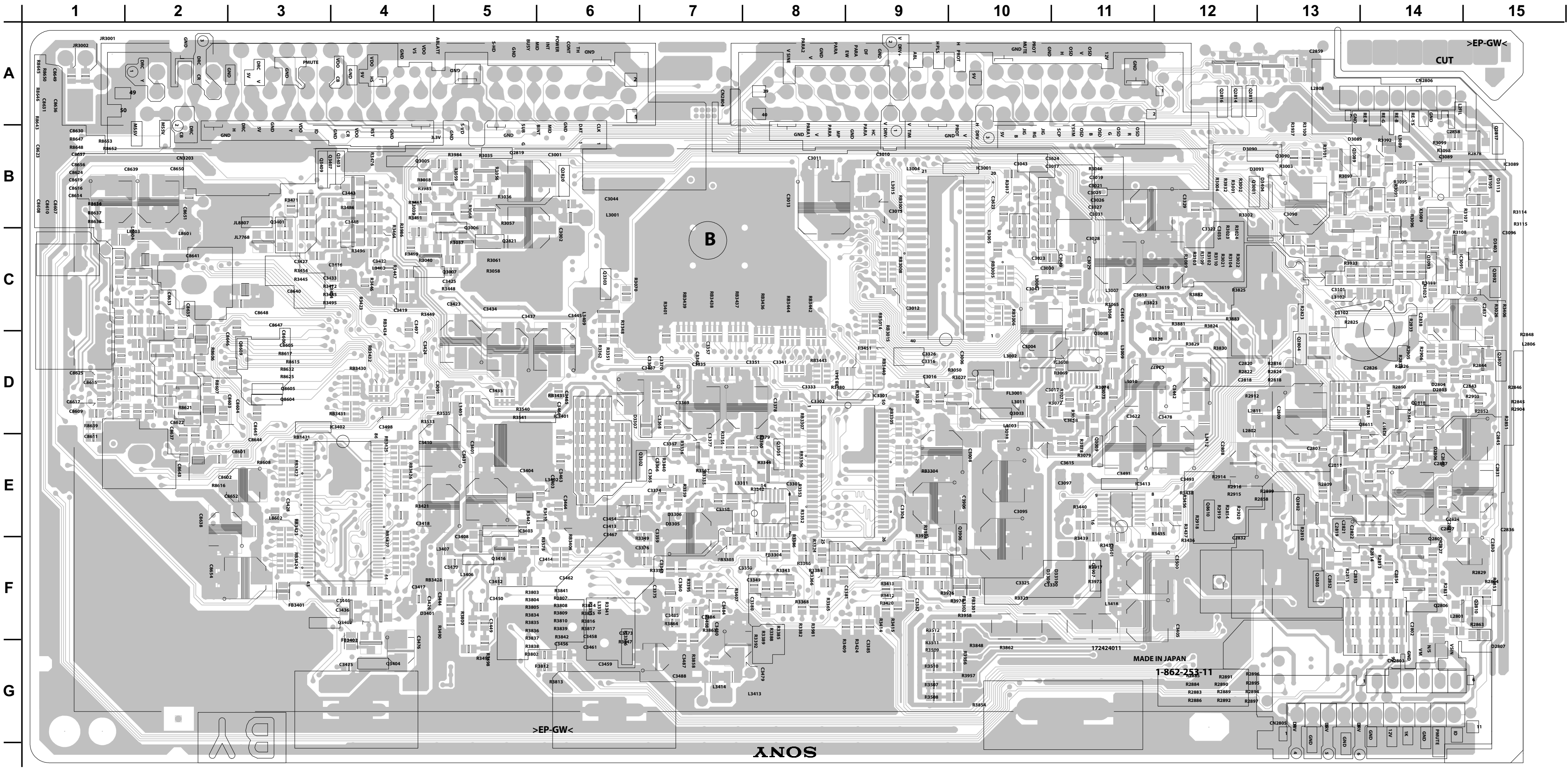
BY [AD-DRC, MID-XA, AD, CRT DRIVE, A/D (DNR)]

COMPONENT SIDE



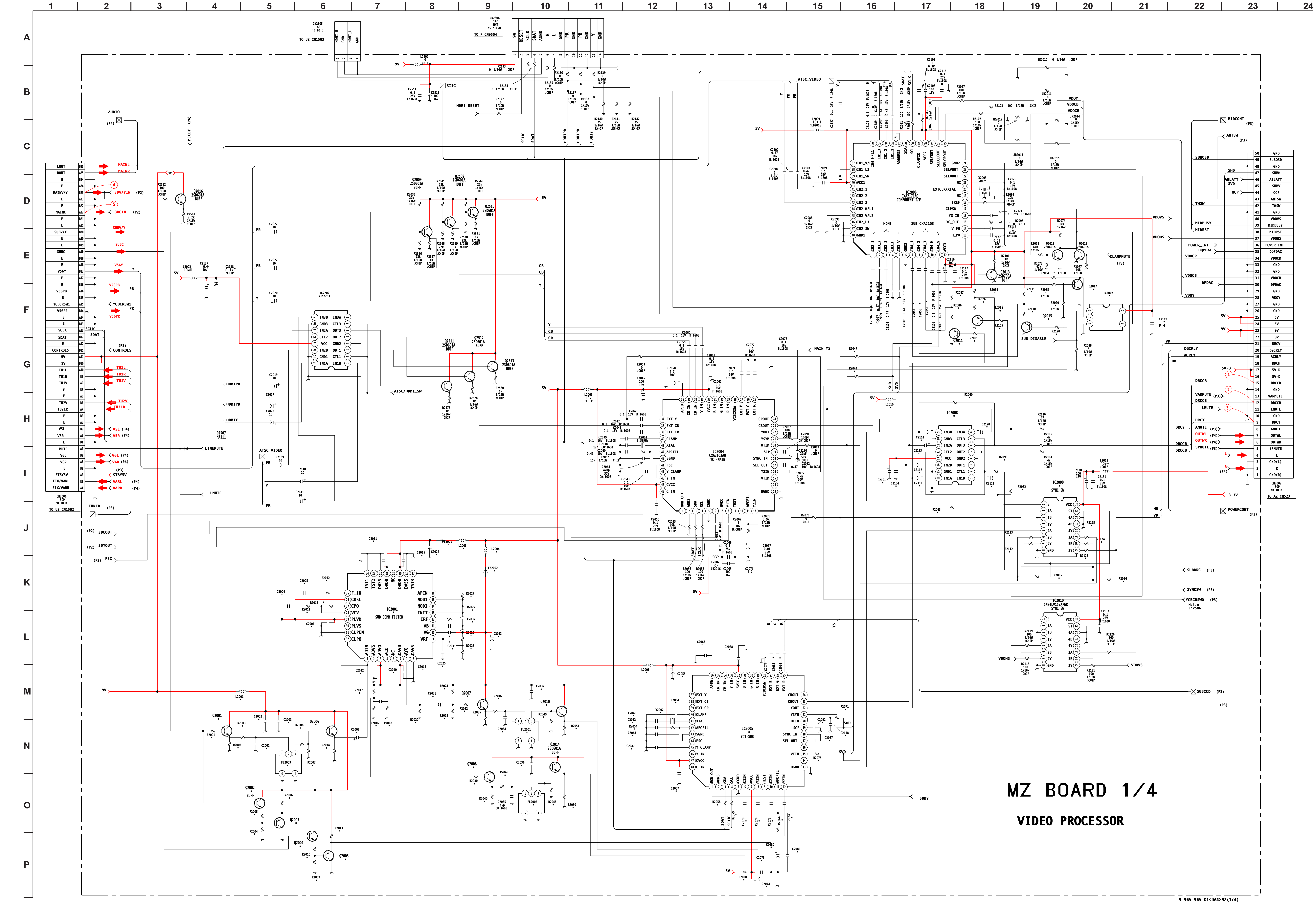
BY [AD-DRC, MID-XA, AD, CRT DRIVE, A/D (DNR)]

CONDUCTOR SIDE

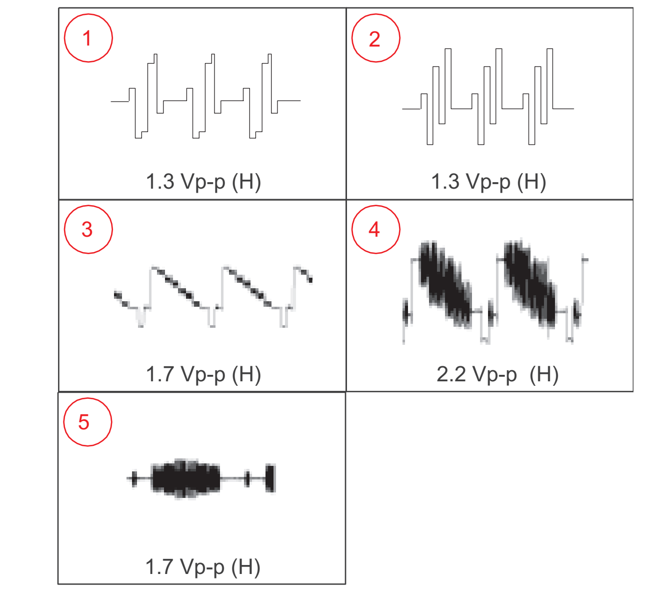


MZ BOARD SCHEMATIC DIAGRAM (1 OF 4)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.

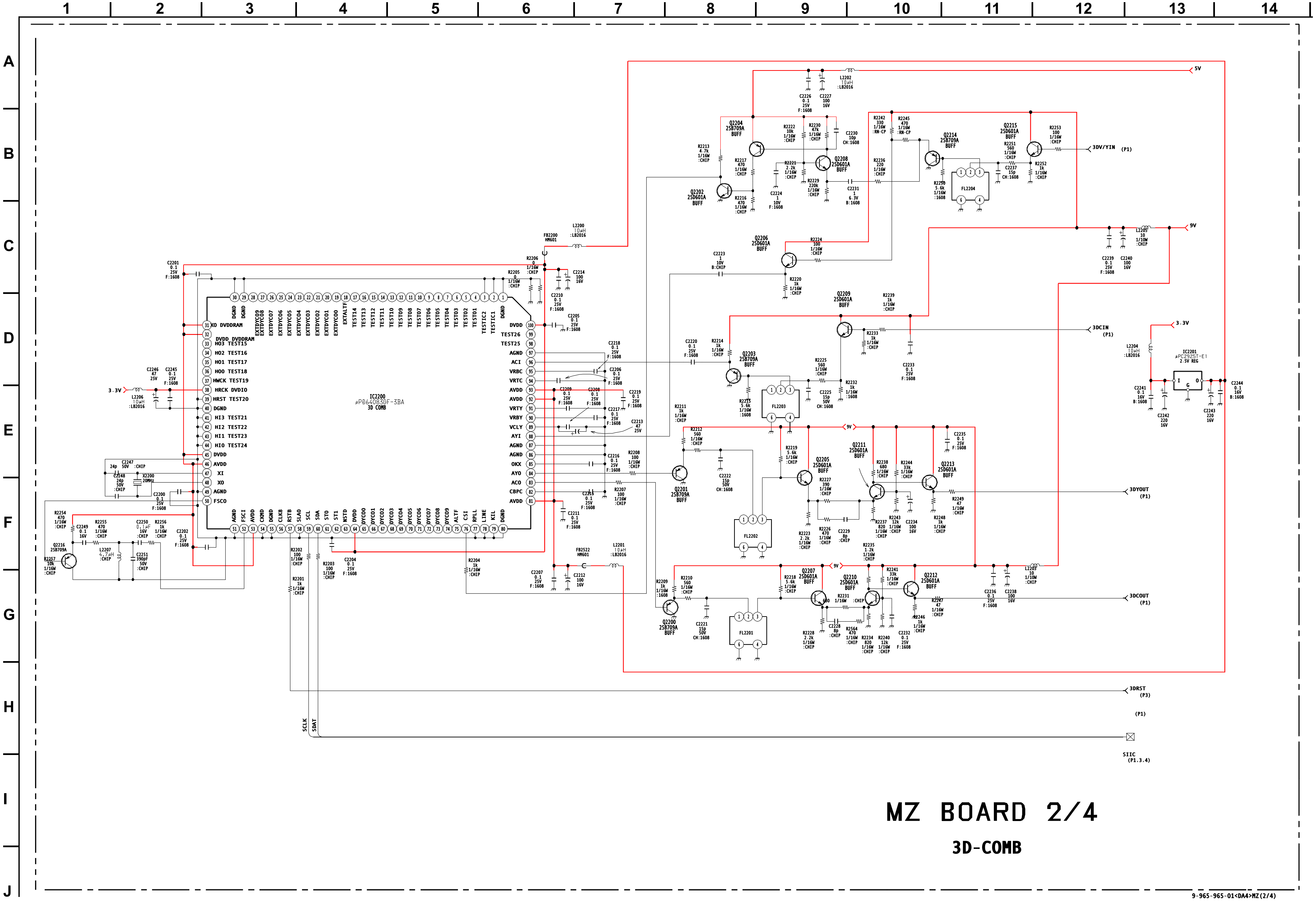


MZ BOARD WAVEFORMS



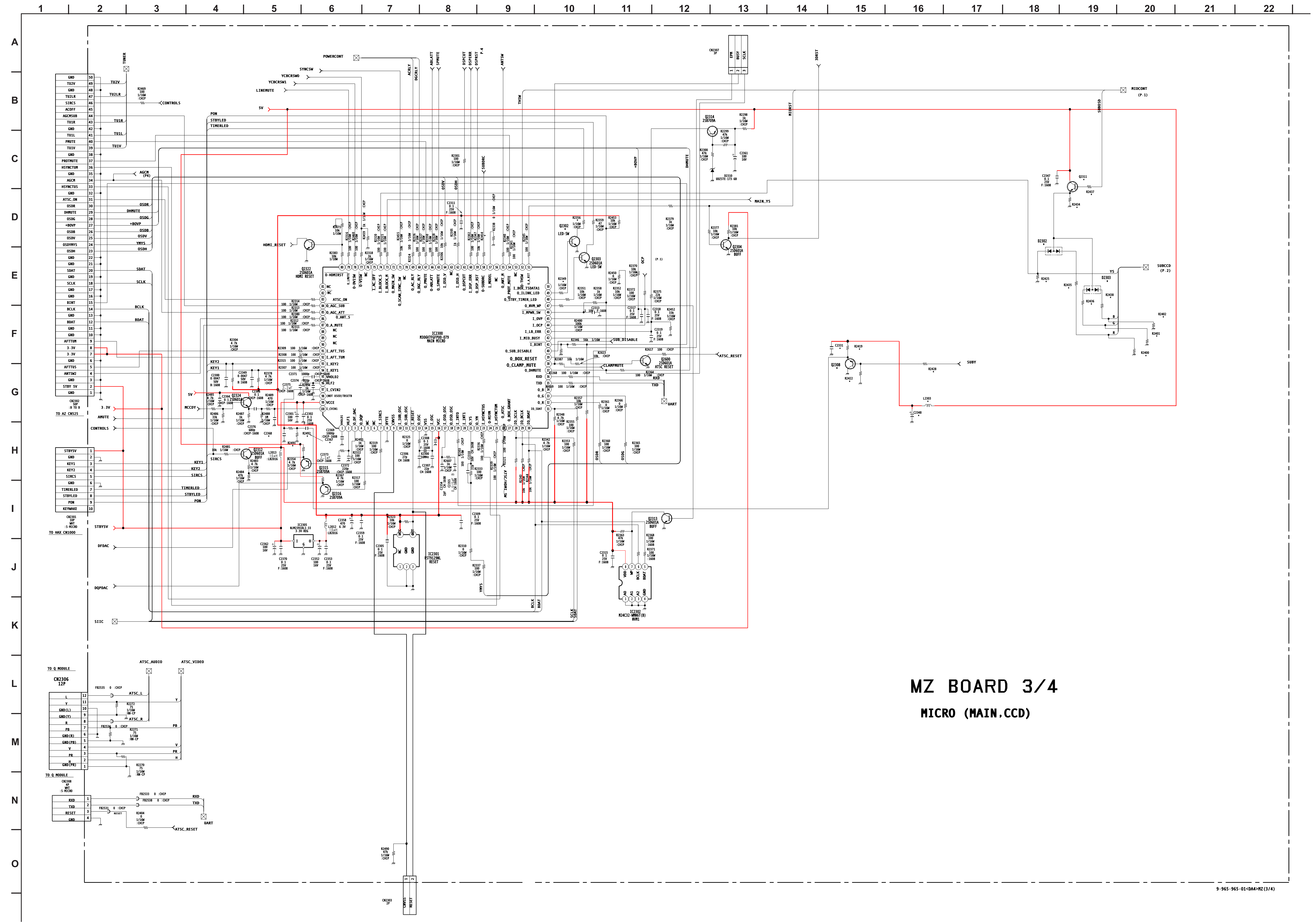
MZ BOARD SCHEMATIC DIAGRAM (2 OF 4)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.



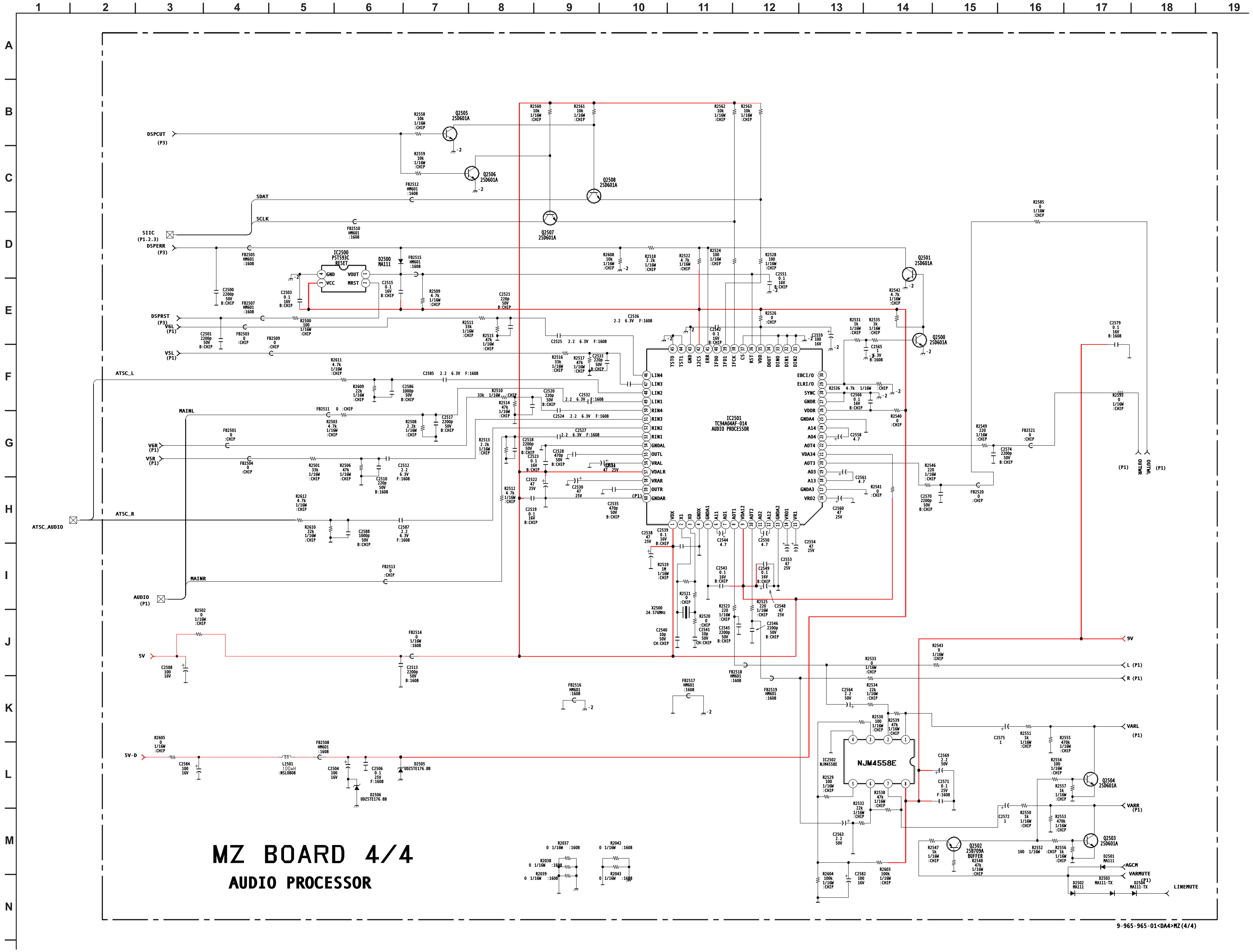
MZ BOARD SCHEMATIC DIAGRAM (3 OF 4)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.



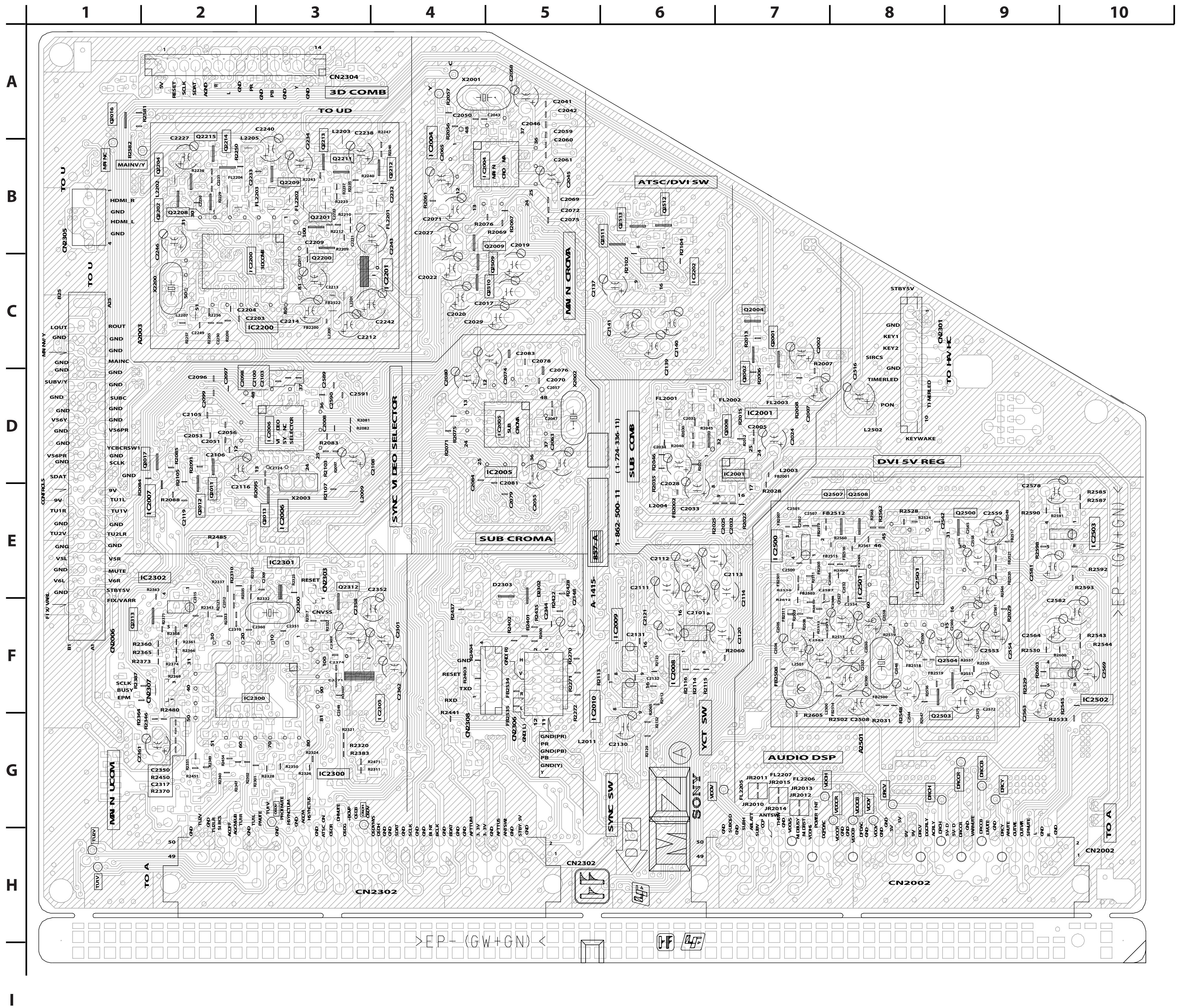
MZ BOARD SCHEMATIC DIAGRAM (4 OF 4)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.



MZ [VIDEO PROCESSOR, 3D-COMB, MICRO (MAIN, CCD), AUDIO PROCESSOR]

COMPONENT SIDE

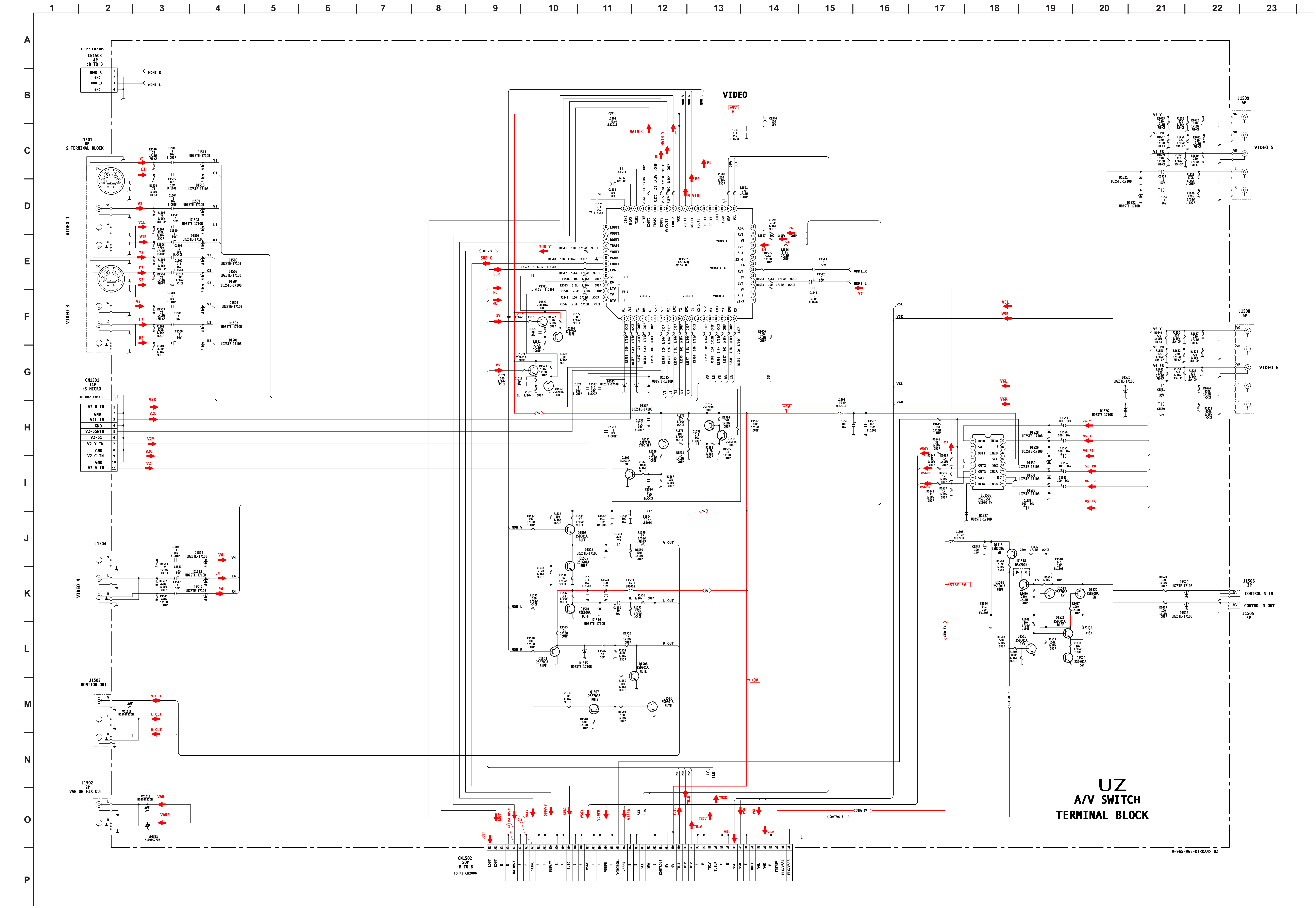


MZ [VIDEO PROCESSOR, 3D-COMB, MICRO (MAIN, CCD), AUDIO PROCESSOR]

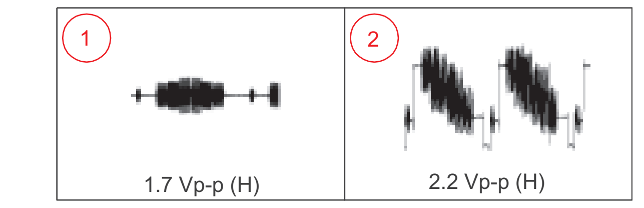
CONDUCTOR SIDE



UZ BOARD SCHEMATIC DIAGRAM



UZ BOARD WAVEFORMS



UZ BOARD IC VOLTAGE LIST

IC1502

PIN	VOLT	PIN	VOLT	PIN	VOLT
1	3.9	21	4.9	43	4.5
2	4.5	22	3.9	44	4.3
3	3.9	23	4.5	45	4.5
4	4.5	24	N/C	46	N/C
5	4.5	25	4.5	47	4.4
6	N/C	26	N/C	48	N/C
7	4.9	27	N/C	49	4.9
8	4.3	28	N/C	50	4.5
9	4.5	29	4.5	51	4.5
10	3.9	30	3.9	52	N/C
11	4.5	31	4.5	53	4.4
12	4.5	32	GND	54	N/C
13	N/C	33	4.6	55	N/C
14	4.9	34	4.6	56	4.1
15	3.9	35	GND	57	GND
16	4.5	36	N/C	58	4.4
17	3.9	37	N/C	59	4.5
18	4.5	38	4.5	60	5.0
19	4.5	39	N/C	61	4.5
20	N/C	40	4.5	62	4.5
		41	4.4	63	4.9
		42	9.0	64	4.5

IC1505

PIN	VOLT
1	4.7
2	0.0
3	3.2
4	GND
5	3.2
6	3.2
7	0.0
8	4.6
9	4.6
10	GND
11	4.7
12	0.0
13	9.0
14	4.7
15	GND
16	4.7

All voltages are in V.

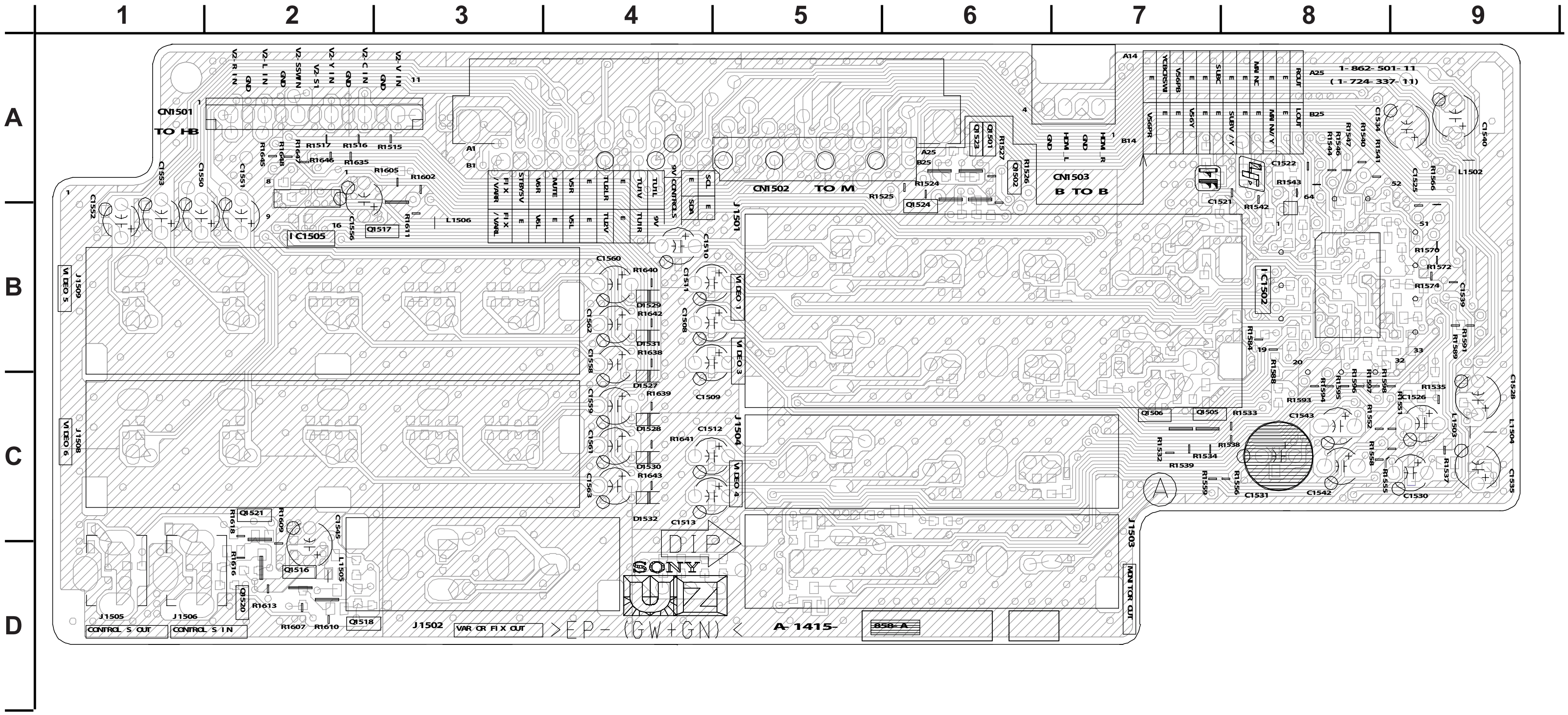
UZ BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1501	2.0	GND	2.7
Q1502	3.3	GND	4.0
Q1503	4.5	GND	5.2
Q1504	4.5	GND	5.2
Q1505	1.6	3.7	0.9
Q1506	4.4	8.3	3.8
Q1507	0.0	0.0	0.0
Q1508	0.0	0.0	GND
Q1509	0.0	4.9	GND
Q1510	0.0	0.0	GND
Q1511	8.5	0.0	9.0
Q1512	8.4	5.3	9.0
Q1513	3.8	8.4	3.2
Q1515	4.9	4.2	5.0
Q1516	0.6	0.1	GND
Q1518	0.0	4.9	GND
Q1519	5.0	0.0	0.0
Q1520	0.6	0.0	GND
Q1521	0.1	5.0	0.0
Q1522	5.0	0.0	0.0
Q1523	4.5	9.0	3.9
Q1524	6.5	9.0	3.9

All voltages are in V.

UZ [A/V SWITCH, TERMINAL BLOCK]

COMPONENT SIDE

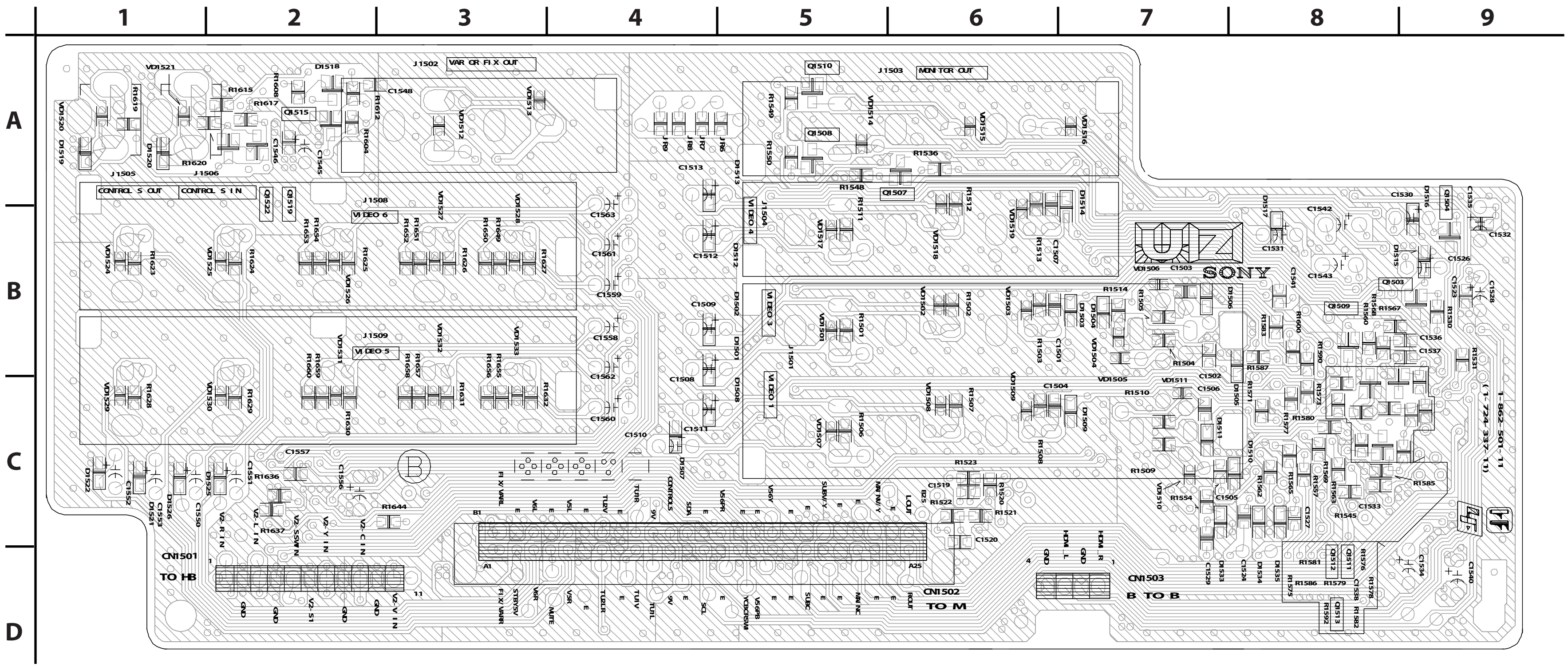


UZ BOARD LOCATOR LIST (COMPONENT SIDE)

DIODE		TRANSISTOR	
D1527	C-4	Q1501	A-6
D1528	C-4	Q1502	A-6
D1529	B-4	Q1505	C-7
D1530	C-4	Q1506	C-7
D1531	B-4	Q1516	D-2
D1532	C-4	Q1518	D-3
IC		Q1520	D-2
IC1502	B-8	Q1521	C-2
IC1505	B-2	Q1523	A-6
		Q1524	B-6

UZ [A/V SWITCH, TERMINAL BLOCK]

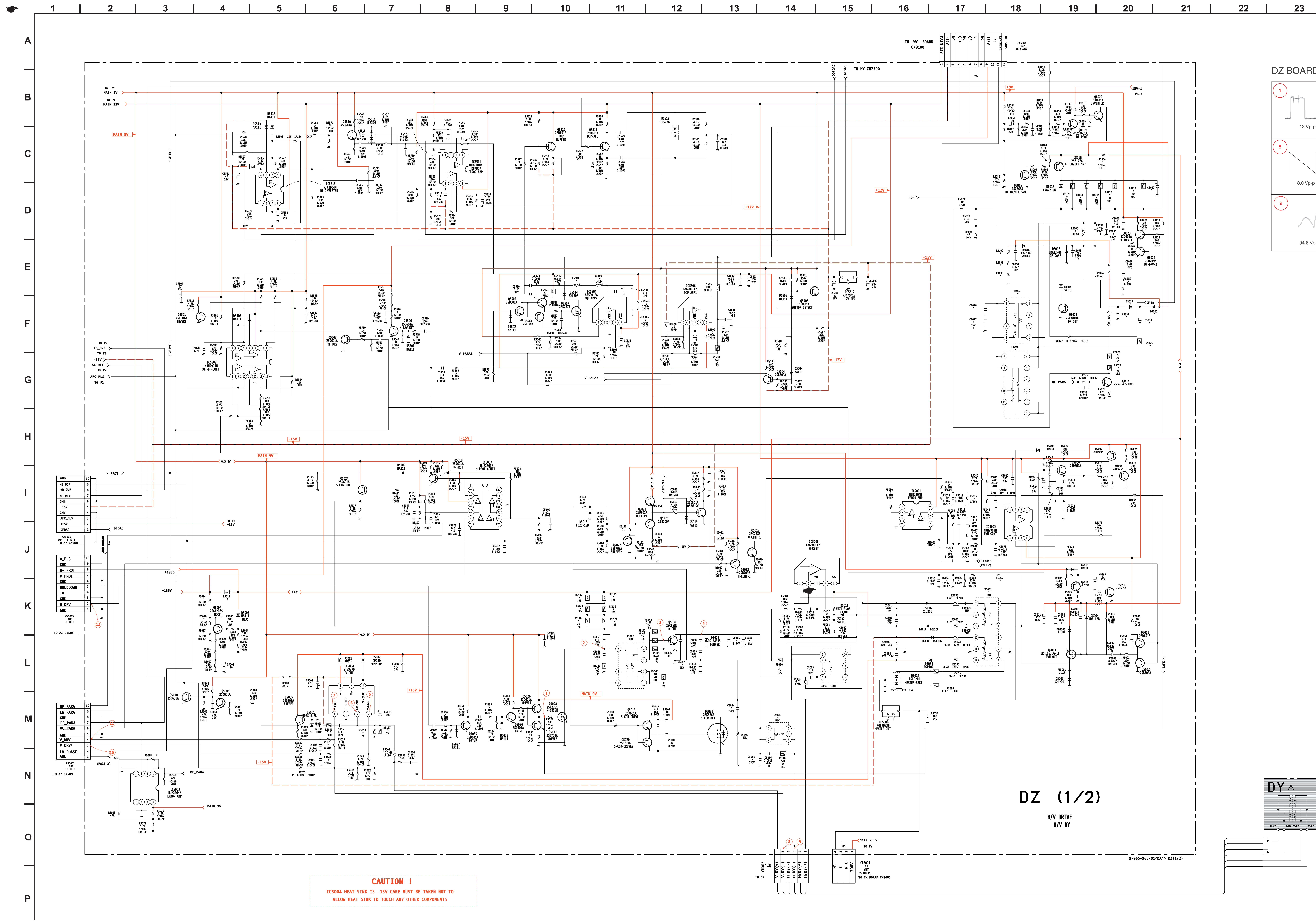
CONDUCTOR SIDE



UZ BOARD LOCATOR LIST (CONDUCTOR SIDE)

DIODE		DIODE		DIODE		TRANSISTOR	
D1501	C-5	D1510	C-8	D1520	A-1	Q1503	B-8
D1502	B-5	D1511	C-8	D1521	C-1	Q1504	B-9
D1503	B-7	D1512	B-5	D1522	C-1	Q1507	B-5
D1504	B-7	D1513	A-5	D1523	C-2	Q1508	A-5
D1505	C-8	D1514	B-7	D1524	C-1	Q1509	B-8
D1506	B-8	D1515	B-8	D1525	C-2	Q1510	A-5
D1507	C-4	D1516	B-9	D1526	C-1	Q1511	D-8
D1508	C-5	D1517	B-8	D1533	D-7	Q1512	D-8
D1509	C-7	D1518	A-2	D1534	D-8	Q1513	D-8
		D1519	A-1	D1535	D-8	Q1515	A-2
						Q1519	B-2
						Q1522	B-2

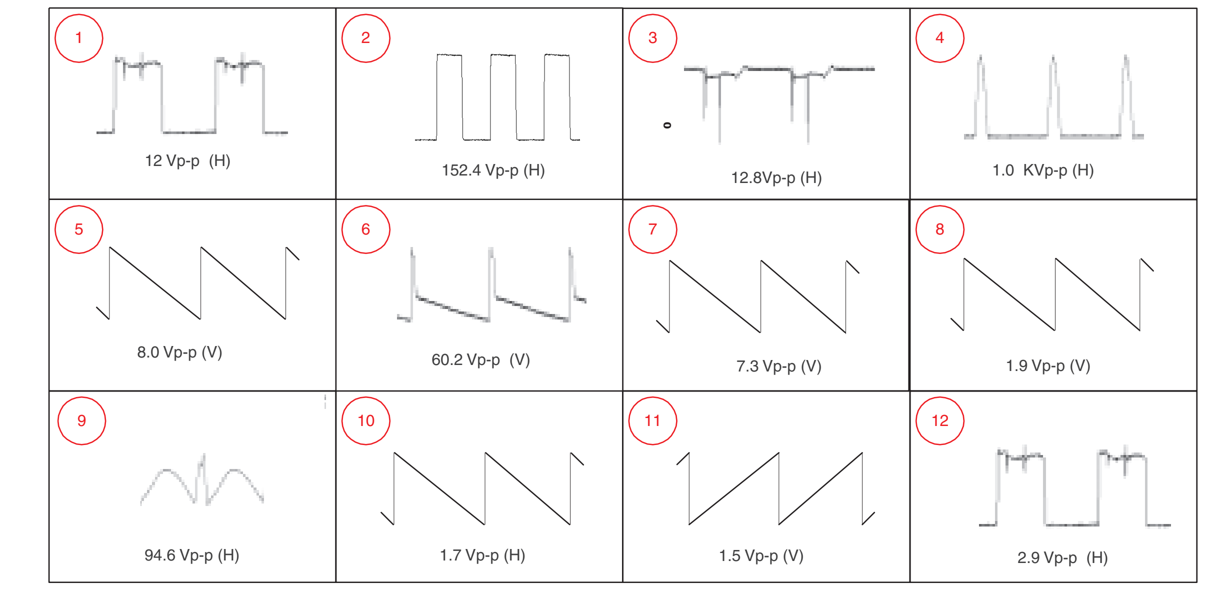
DZ BOARD SCHEMATIC DIAGRAM (1 OF 2)



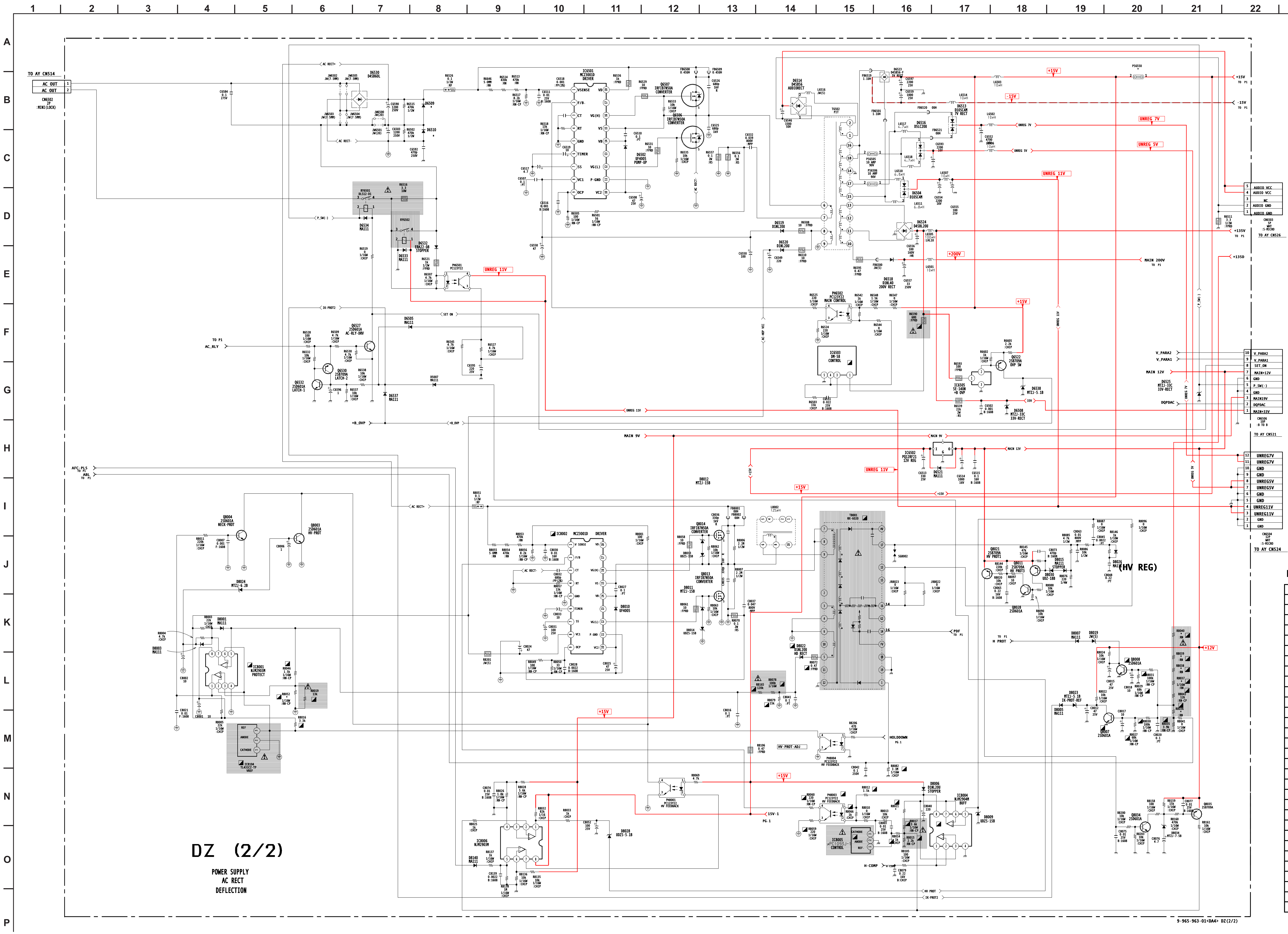
CAUTION !

IC5004 HEAT SINK IS -15V CARE MUST BE TAKEN NOT TO
ALLOW HEAT SINK TO TOUCH ANY OTHER COMPONENTS

DZ BOARD WAVEFORMS



DZ BOARD SCHEMATIC DIAGRAM (2 OF 2)



DZ BOARD IC VOLTAGE LIST

IC5001	
PIN	VOLT
1	10.9
2	10.9
3	N/C
4	GND
5	3.9
6	3.9
7	4.7
8	12.0

IC5002	
PIN	VOLT
1	5.6
2	2.6
3	5.9
4	GND
5	5.1
6	5.6
7	4.8
8	12.0

IC5003	
PIN	VOLT
1	4.7
2	3.9
3	3.9
4	GND
5	GND
6	GND
7	GND
8	9.0

IC5004	
PIN	VOLT
1	1.2
2	14.1
3	-13.1
4	-15.3
5	0.0
6	14.6
7	1.2

IC5005	
PIN	VOLT
1	99.4
2	99.1
3	94.6
4	98.8
5	105.0

IC5006	
PIN	VOLT
I	7.7
O	6.3
G	GND
VC	N/C

IC5007	
PIN	VOLT
1	2.4
2	0.7
3	9.0
4	1.6
5	GND
6	3.9
7	2.7
8	0.4
9	3.0
10	N/C
11	N/C
12	GND
13	N/C
14	0.7

IC5502	
PIN	VOLT
1	6.9
2	0.5
3	12.0
4	2.7
5	3.7
6	2.6
7	4.4
8	N/C
9	2.6
10	2.6
11	N/C
12	GND
13	0.7
14	0.7

IC5504	
PIN	VOLT
1	1.6
2	1.6
3	GND
4	5.4
5	12.0

IC5506	
PIN	VOLT
1	1.0
2	1.0
3	-15.8
4	1.7
5	12.0

IC5511	
PIN	VOLT
1	4.0
2	5.8
3	5.8
4	GND
5	2.6
6	2.6
7	7.6
8	12.0

IC5512	
PIN	VOLT
I	-15.0
O	-12.0
G	GND

IC5515	
PIN	VOLT
1	0.0
2	0.0
3	0.0
4	-11.9
5	6.0
6	6.0
7	6.0
8	9.0

IC6500	
PIN	VOLT
I	15.0
O	12.0
G	GND
4	N/C

IC6501	
PIN	VOLT
1	2.8
2	1.8
3	2.2
4	2.5
5	GND
6	0.0
7	4.6
8	17.9
9	0.0
10	10.5
11	GND
12	4.8
13	N/C
14	151.8
15	142.2
16	146.3
17	N/C
18	306.1

IC6502	
PIN	VOLT
I	15.0
O	12.0
G	GND
4	N/C

IC6503	
PIN	VOLT
1	133.8
2	N/C
3	2.5
4	11.0
5	GND

IC6505	
PIN	VOLT
1	134.4
2	15.4
3	GND

IC8001	
PIN	VOLT
1	0.1
2	2.5
3	2.1
4	GND
5	2.3
6	2.5
7	0.0
8	17.5

IC8002	
PIN	VOLT
1	2.6
2	1.8

(continued)	
3	2.2
4	2.5
5	GND
6	0.0
7	4.6
8	17.9
9	0.0
10	10.5
11	GND
12	4.8
13	N/C
14	151.8
15	142.2
16	146.3
17	N/C
18	306.1

IC8004	
PIN	VOLT
1	6.9
2	6.9
3	6.9
4	GND
5	6.9
6	6.9
7	6.9
8	15.0

IC8005	
PIN	VOLT
1	2.5
2	GND
3	9.9

IC8006	
PIN	VOLT
1	0.0
2	2.5
3	2.2
4	GND
5	7.5
6	4.5
7	14.8
8	15.0

IC8104	
PIN	VOLT
1	2.5
2	GND
3	2.5

All voltages are in V.

DZ BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q5001	4.8	12	4.9
Q5002	4.8	GND	4.9
Q5004	133.3	3.7	132.7
Q5005	0.0	14.1	0.2
Q5006	11.2	12.0	10.7
Q5007	11.4	12.1	12.0
Q5008	0.7	0.0	GND
Q5009	0.0	0.0	GND
Q5010	0.1	0.8	GND
Q5011	0.0	0.0	GND
Q5012	3.4	97.5	2.9
Q5013	2.8	GND	3.4
Q5014	8.9	0.0	9.0
Q5015	2.1	105.0	1.5
Q5018	0.7	0.0	GND
Q5019	2.2	9.0	2.1
Q5020	2.2	GND	2.1
Q5021	0.9	9.0	1.3
Q5022	0.6	GND	1.2
Q5023	0.2	3.9	GND
Q5024	2.4	9.0	2.2
Q5025	0.9	-15.0	1.3
Q5026	3.8	9.0	3.8
Q5027	3.8	0.0	3.8
Q5030	0.0	84.3	GND
Q5035	0.0	2.1	GND
Q5036	0.2	3.8	GND
Q5501	0.5	3.4	GND
Q5502	0.0	6.9	GND
Q5503	0.0	0.5	GND
Q5504	0.2	-12.0	0.8

	B	C	E
Q5505	0.4	9.0	0.0
Q5506	0.0	2.7	GND
Q5510	0.7	8.3	0.8
Q5512	4.4	12.0	3.8
Q5513	1.3	8.7	4.2
Q5568	6.9	12.0	7.0
Q5569	6.9	0.0	7.0
Q6522	15.4	0.0	15.4
Q6527	0.8	0.1	GND
Q6530	3.2	0.0	3.2
Q6532	0.0	3.2	GND
Q8003	0.1	2.6	GND
Q8004	0.1	2.6	GND
Q8007	0.6	0.1	GND
Q8008	0.6	0.1	GND
Q8011	11.9	0.0	12.0
Q8015	0.6	0.0	GND
Q8016	132.6	132.4	133.3
Q8018	0.0	86.6	GND
Q8019	0.6	0.0	GND
Q8020	0.0	0.6	GND
Q8021	11.7	0.0	12.0
Q8022	3.4	GND	3.5
Q8023	3.4	9.0	3.5
Q8028	0.0	11.7	GND
Q8034	0.0	12.0	GND
Q8035	11.6	2.5	12.0

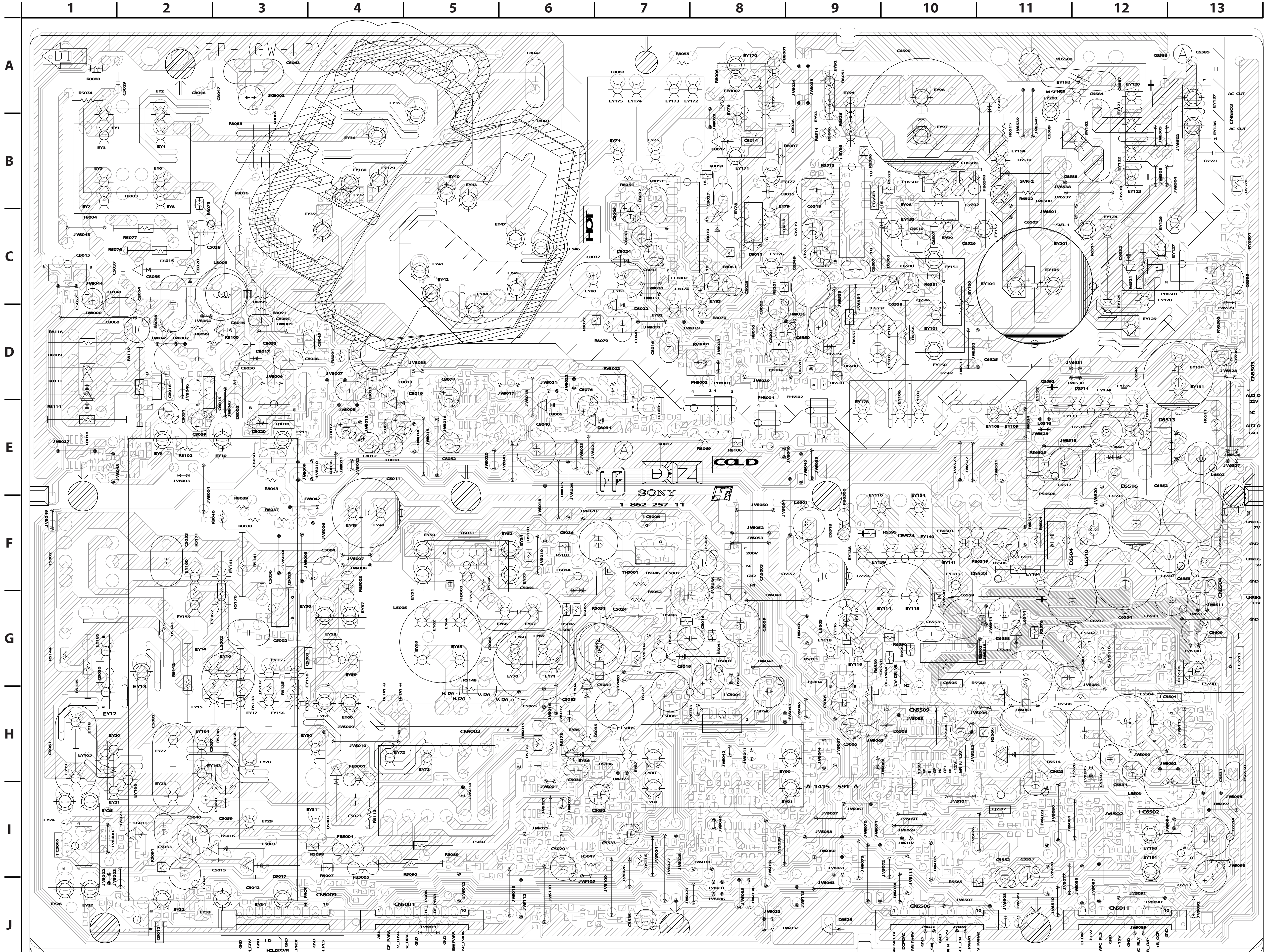
	D	G	S
Q5003	10.9	128.8	135.0
Q5028	63.9	3.8	GND
Q5031	14.6	2.1	GND
Q5507	10.5	6.9	GND
Q6506	140.1	4.8	GND
Q6507	305.6	145.1	140.1
Q8013	136.0	4.5	GND
Q8014	305.0	131.0	136.0

All voltages are in V.

DZ

[H/V DRIVE, H/V DY, POWER SUPPLY, AC RECT, DEFLECTION]

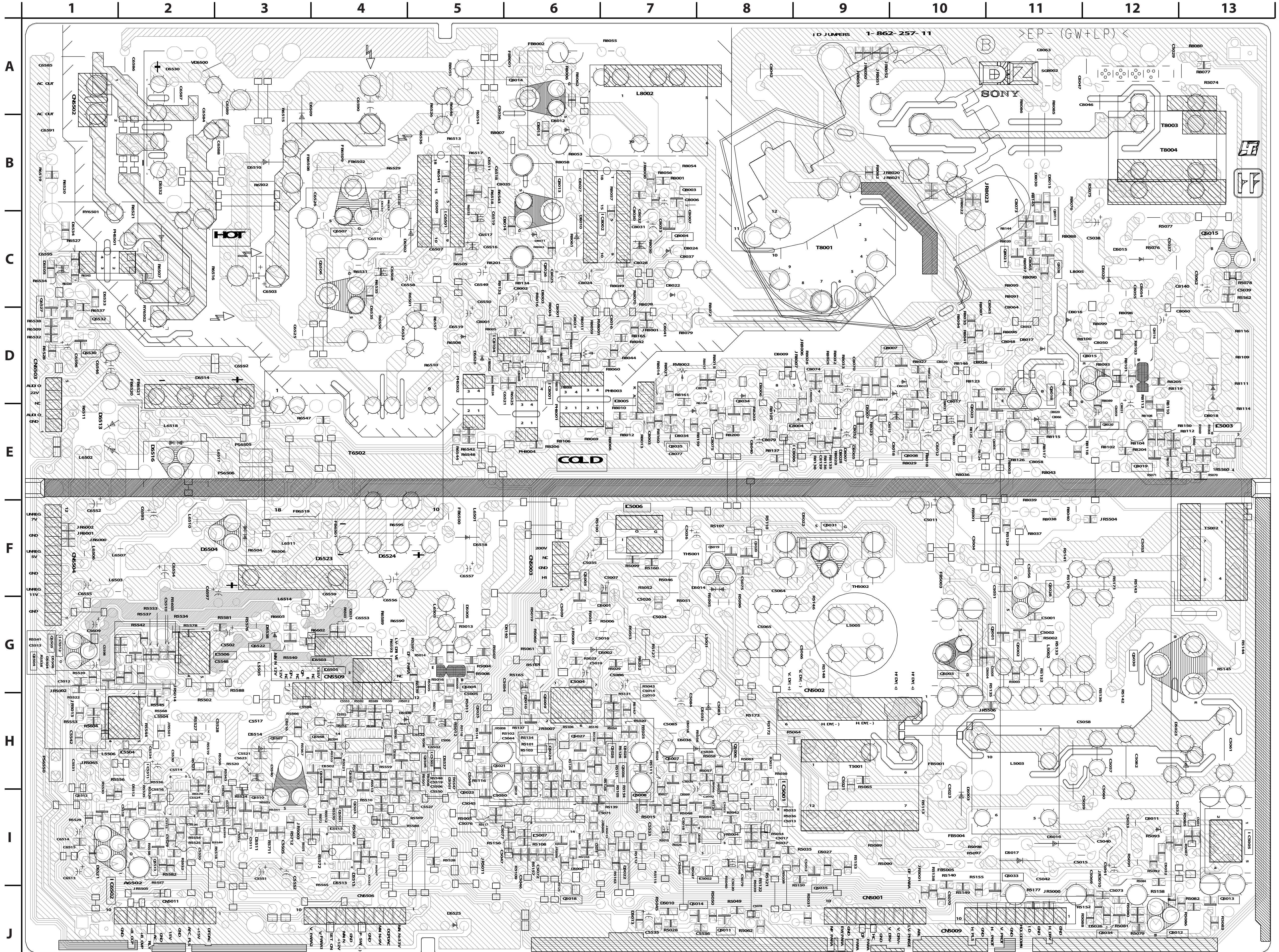
COMPONENT SIDE



DZ

[H/V DRIVE, H/V DY, POWER SUPPLY, AC RECT, DEFLECTION]

CONDUCTOR SIDE



DZ BOARD LOCATOR LIST (CONDUCTOR SIDE)

DIODE	
D5001	F-7
D5002	G-7
D5003	H-10
D5004	G-11
D5005	G-5
D5006	I-6
D5007	E-9
D5008	I-8
D5010	J-7
D5011	I-12
D5014	F-8
D5015	C-12
D5016	I-11
D5017	I-11
D5018	H-7
D5019	H-6
D5023	H-13
D5027	I-9
D5028	H-7
D5032	I-12
D5035	H-8
D5036	H-8
D5501	H-5
D5502	H-4
D5504	G-1
D5506	H-5
D5508	G-1
D5511	I-3
D5512	I-2
D5513	I-4
D5514	H-3
D5515	I-4
D6502	C-4
D6504	F-3
D6505	C-1
D6508	H-5
D6509	A-3
D6510	B-3
D6513	D-2
D6514	D-3
D6516	E-2
D6518	F-5
D6519	D-5
D6520	D-5
D6521	I-1
D6523	F-4
D6524	F-4
D6525	F-4
D6530	A-2
D6532	B-2

DIODE	
D6533	C-1
D6534	C-1
D6537	H-5
D6538	G-3
D8001	D-6
D8002	D-11
D8003	C-6
D8005	E-9
D8006	D-8
D8007	E-9
D8009	D-8
D8010	C-6
D8011	C-6
D8012	B-6
D8013	B-6
D8014	B-5
D8015	B-11
D8016	D-10
D8017	D-11
D8018	E-13
D8019	D-10
D8022	C-7
D8023	D-10
D8024	C-7
D8026	D-10
D8028	E-9
D8030	B-11
D8034	E-7
D8140	G-6

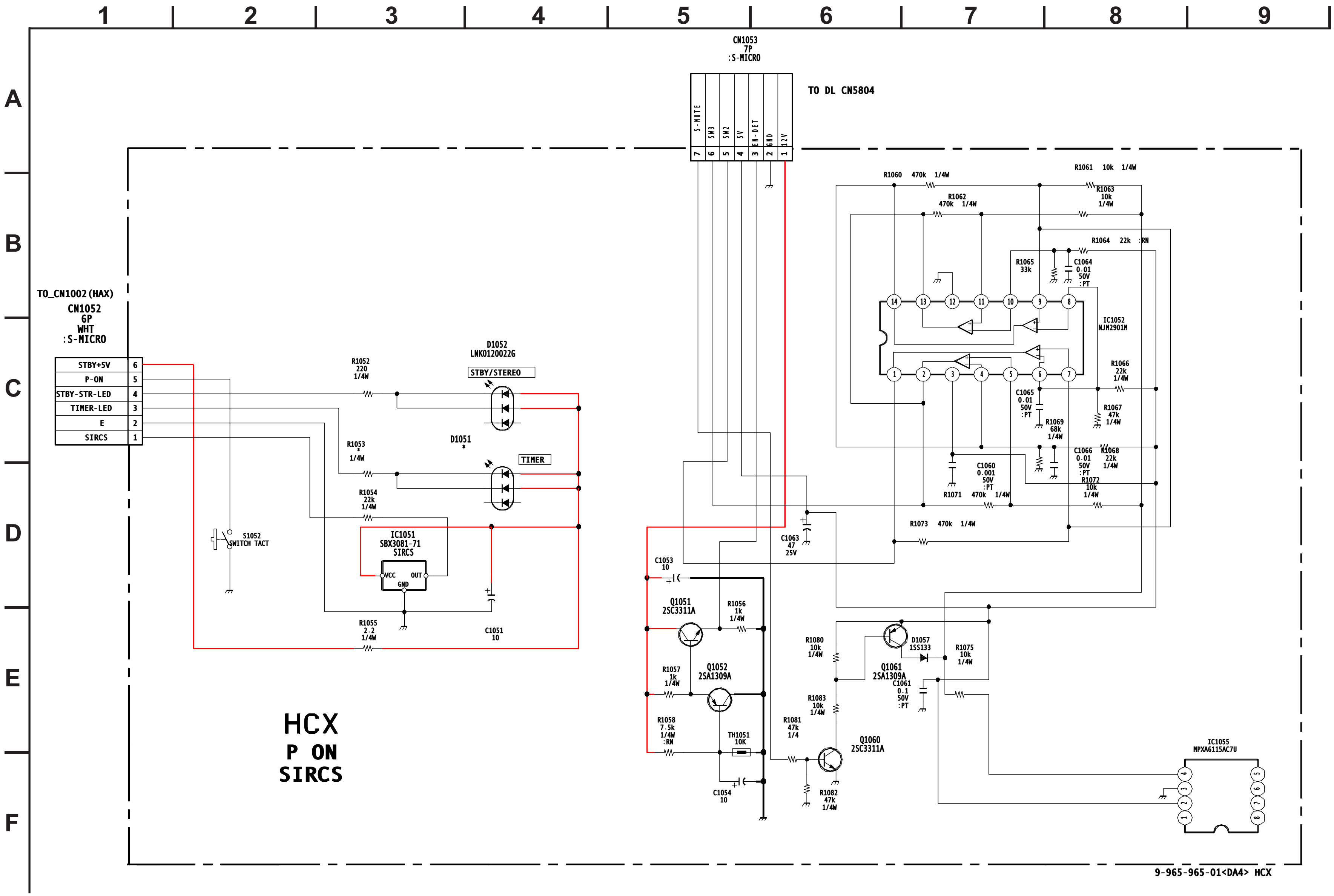
IC	
IC5001	I-9
IC5002	I-8
IC5003	E-13
IC5004	G-6
IC5005	I-13
IC5006	F-7
IC5007	I-6
IC5502	H-5
IC5504	H-2
IC5506	G-3
IC5511	H-2
IC5512	G-1
IC5515	I-4
IC6501	C-5
IC6502	J-1
IC6503	F-4
IC6505	G-4
IC8001	D-6
IC8002	C-6

IC	
IC8004	E-9
IC8005	D-7
IC8006	E-9
IC8104	D-6

TRANSISTOR	
Q5001	F-11
Q5002	F-11
Q5003	G-10
Q5004	G-5
Q5005	F-6
Q5006	H-8
Q5007	H-7
Q5008	I-7
Q5009	G-6
Q5010	G-6
Q5011	J-8
Q5012	J-12
Q5013	J-13
Q5014	J-8
Q5015	C-13
Q5018	J-6
Q5019	F-8
Q5020	F-8
Q5021	H-6
Q5022	I-7
Q5023	H-5
Q5024	H-6
Q5025	H-5
Q5026	H-7
Q5027	H-6
Q5028	F-11
Q5030	G-12
Q5031	F-9
Q5035	H-9
Q5036	H-7
Q5501	I-4
Q5502	H-4
Q5503	H-4
Q5504	G-1
Q5505	G-1
Q5506	H-5
Q5507	H-3
Q5510	H-3
Q5512	I-1
Q5513	I-2
Q5568	H-4
Q5569	H-4
Q6506	C-4

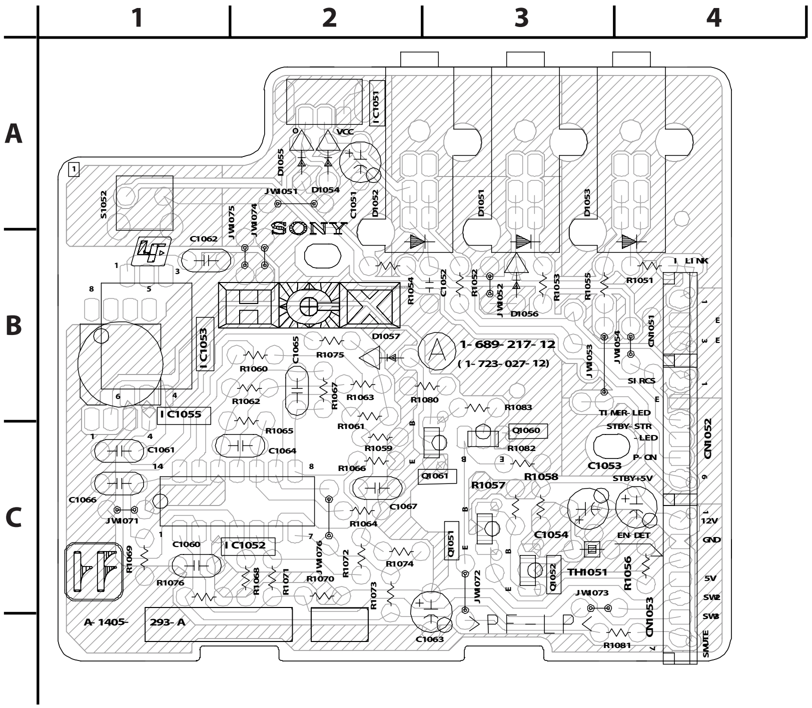
TRANSISTOR	
Q6507	C-4
Q6522	G-3
Q6527	C-1
Q6530	D-1
Q6532	D-1
Q8003	B-7
Q8004	C-7
Q8007	D-9
Q8008	E-10
Q8011	B-11
Q8013	B-6
Q8014	A-6
Q8015	D-12
Q8016	D-12
Q8018	D-11
Q8019	E-12
Q8020	E-12
Q8021	C-11
Q8022	D-11
Q8023	D-10
Q8028	C-11
Q8034	D-8
Q8035	E-7

HCX BOARD SCHEMATIC DIAGRAM



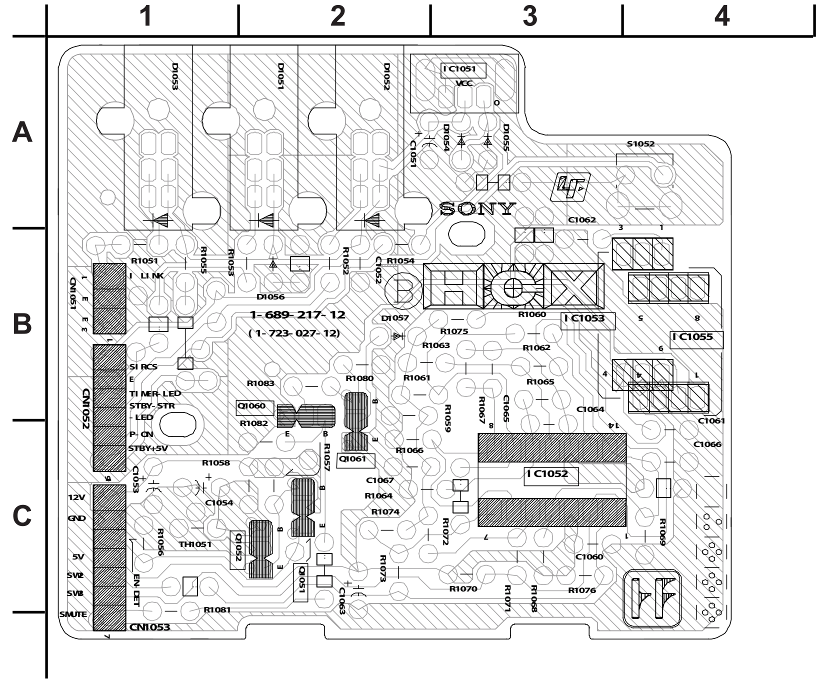
HCX [P ON SIRCS]

COMPONENT SIDE

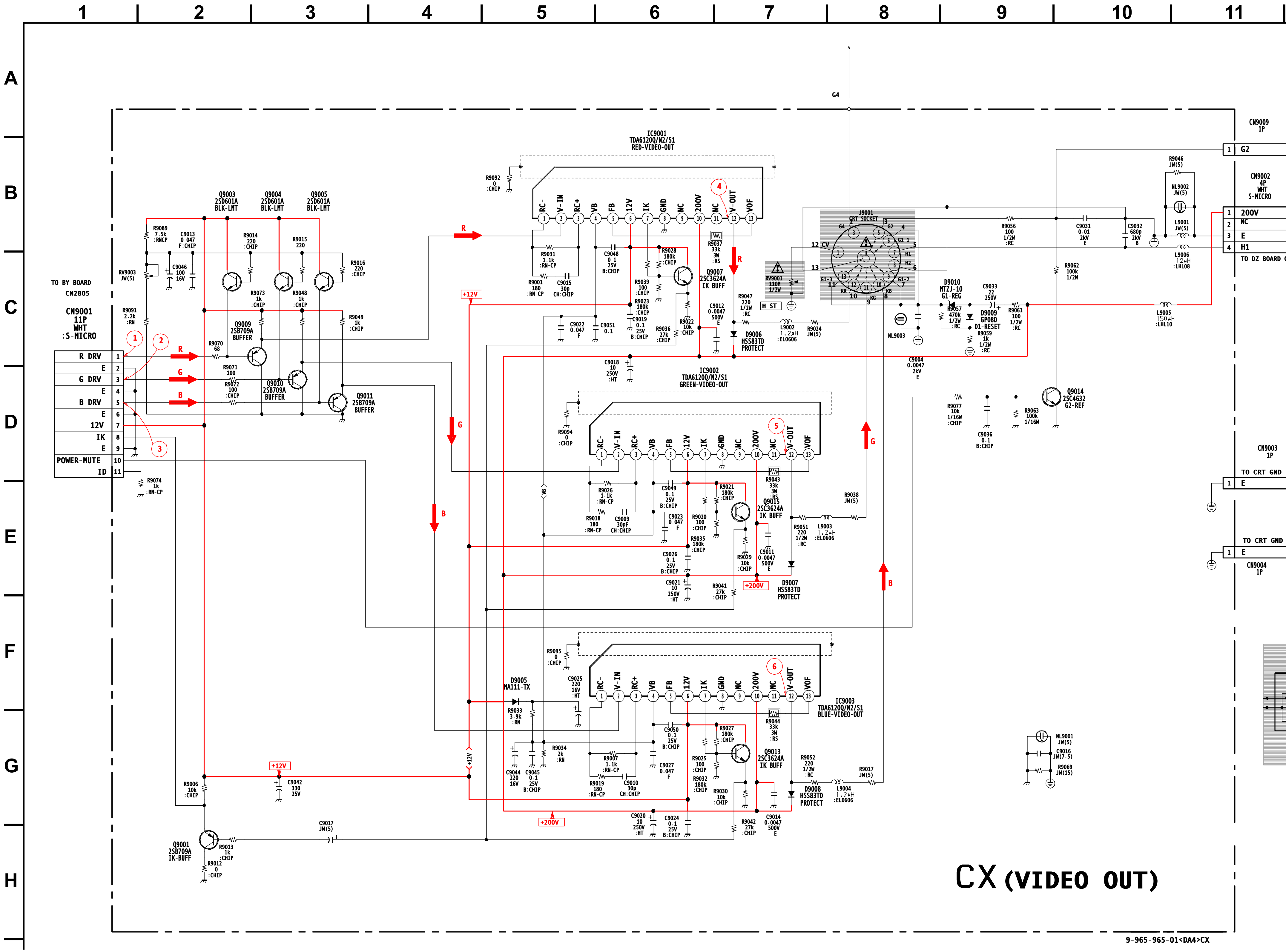


HCX [P ON SIRCS]

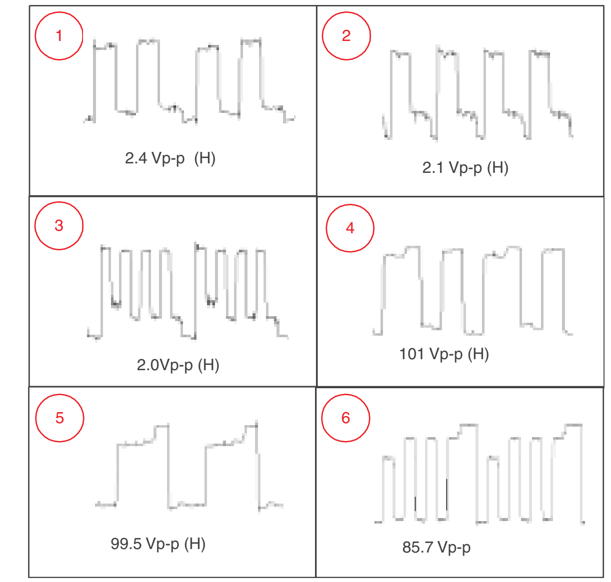
CONDUCTOR SIDE

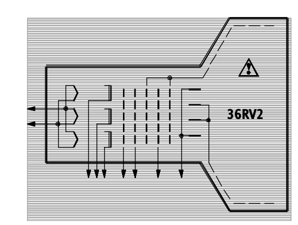


CX BOARD SCHEMATIC DIAGRAM



CX BOARD WAVEFORMS





CX BOARD IC VOLTAGE LIST

IC9001		IC9002		IC9003	
PIN	VOLT	PIN	VOLT	PIN	VOLT
1	0.0	1	0.0	1	0.0
2	3.5	2	3.5	2	3.5
3	5.0	3	5.0	3	5.0
4	3.5	4	3.5	4	3.5
5	0.0	5	0.0	5	0.0
6	12.0	6	12.0	6	12.0
7	9.4	7	9.4	7	9.4
8	GND	8	GND	8	GND
9	N/C	9	N/C	9	N/C
10	200.0	10	200.0	10	200.0
11	N/C	11	N/C	11	N/C
12	144.4	12	154.0	12	145.0
13	2.2	13	124.0	13	24.5

All voltages are in V.

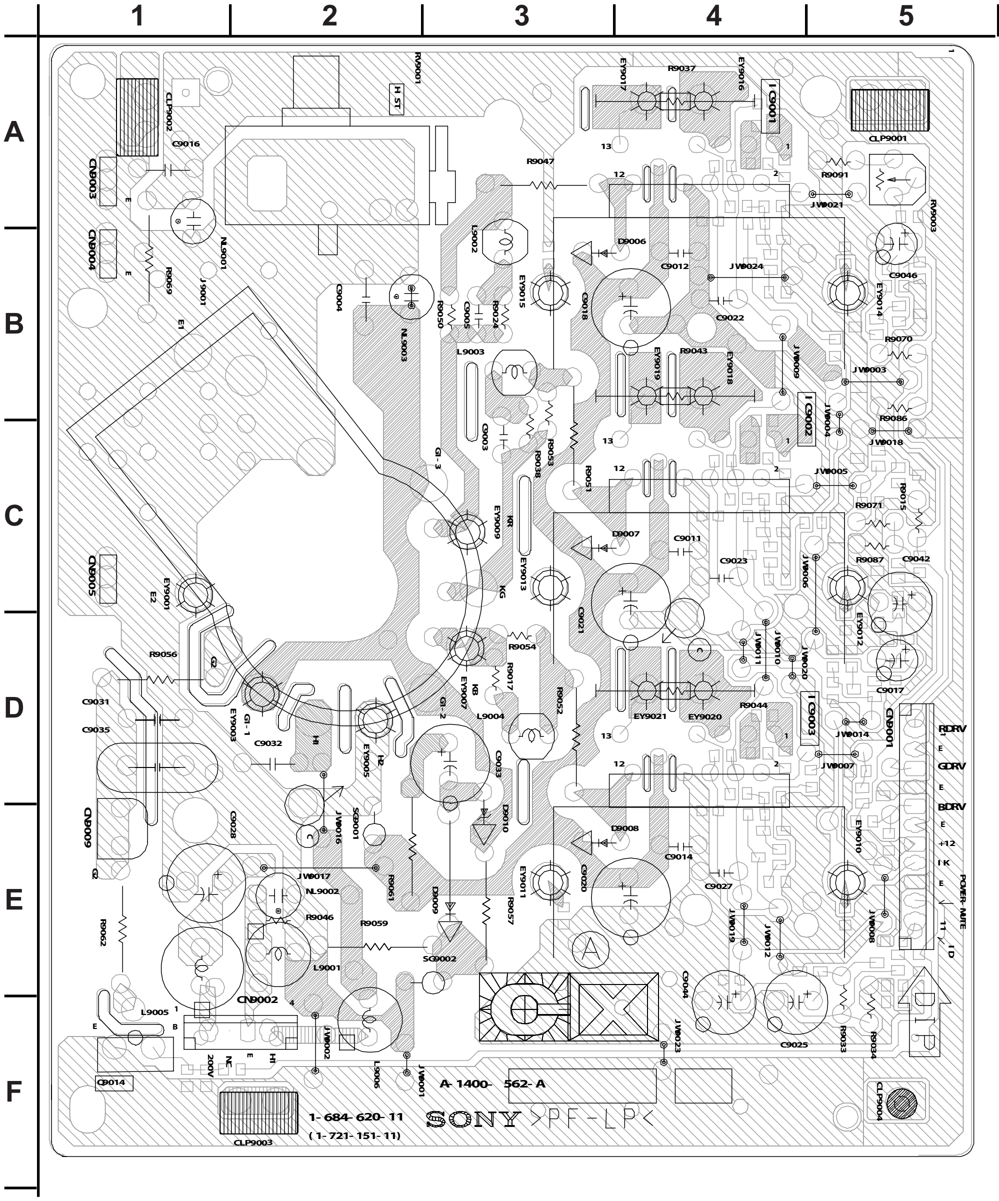
CX BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q9001	8.6	GND	3.6
Q9003	2.2	12.0	3.6
Q9004	2.2	12.0	3.7
Q9005	2.2	12.0	3.5
Q9007	9.1	12.0	8.4
Q9009	3.7	GND	4.3
Q9010	3.7	GND	4.4
Q9011	3.5	GND	4.2
Q9013	9.0	12.0	8.5
Q9014	0.0	264.7	GND
Q9015	9.0	12.0	8.5

All voltages are in V.

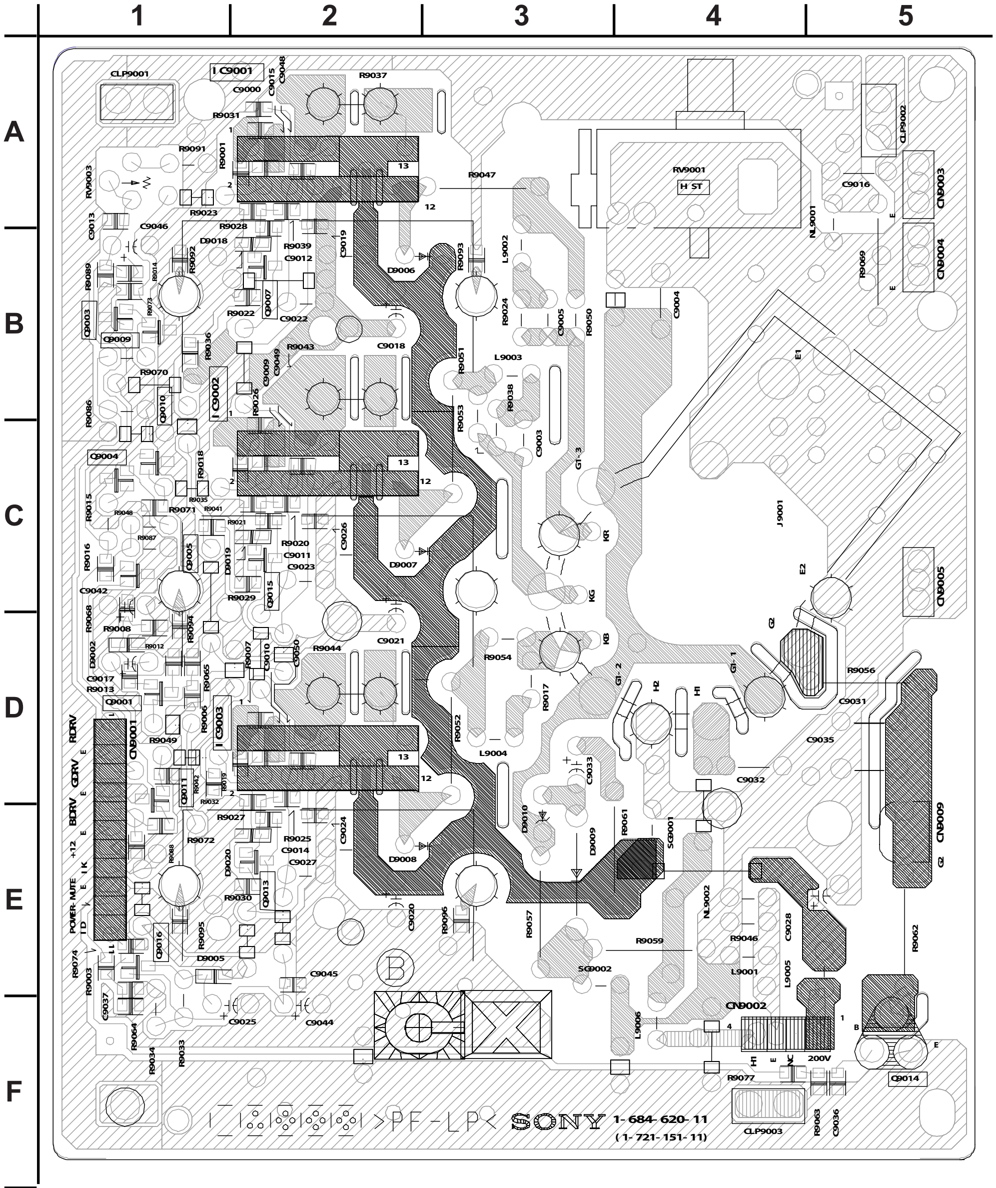
CX [VIDEO OUT]

COMPONENT SIDE

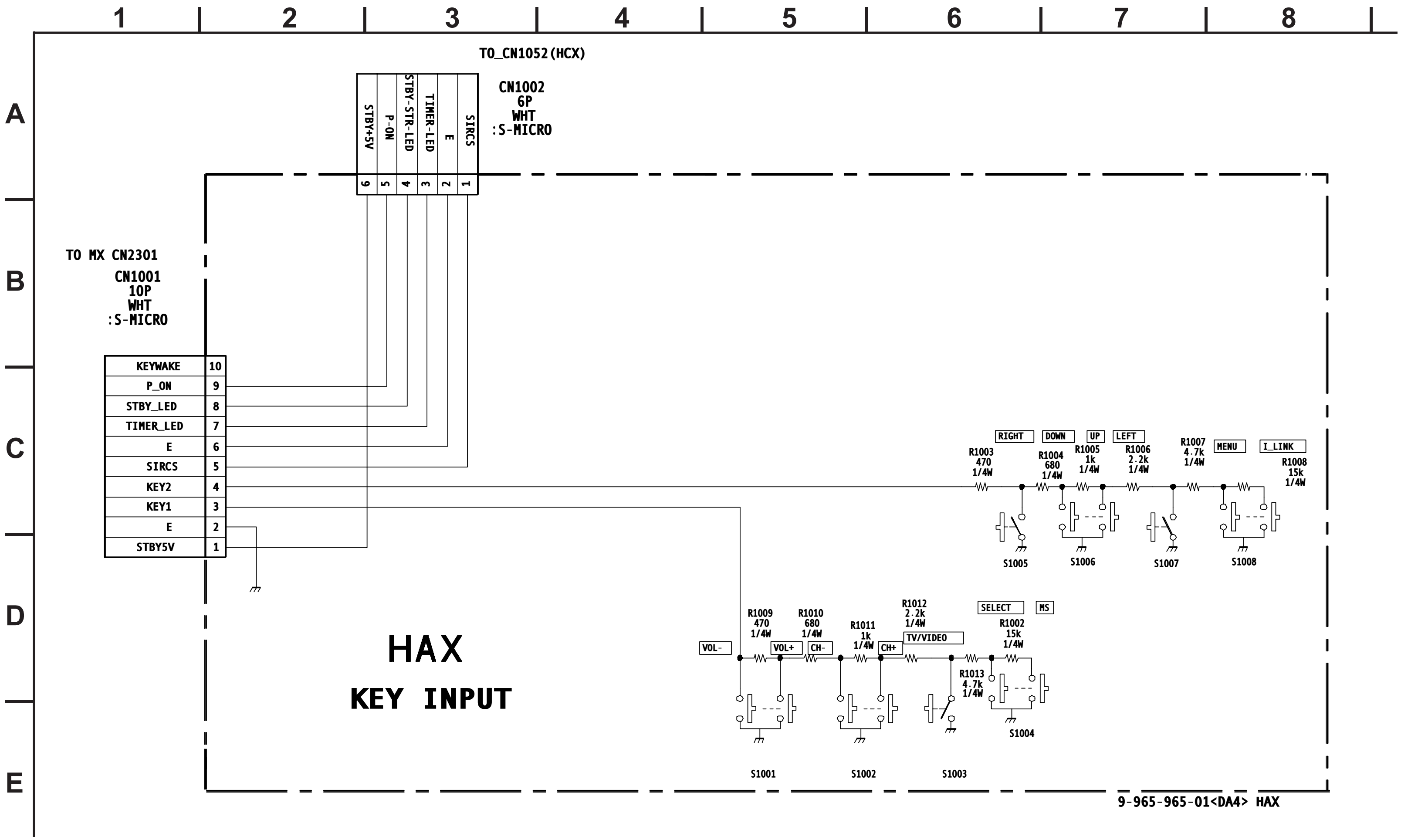


CX [VIDEO OUT]

CONDUCTOR SIDE

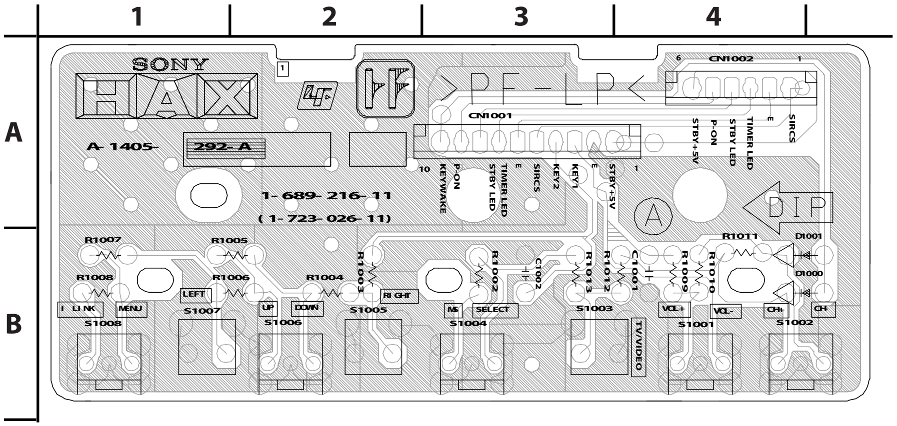


HAX BOARD SCHEMATIC DIAGRAM



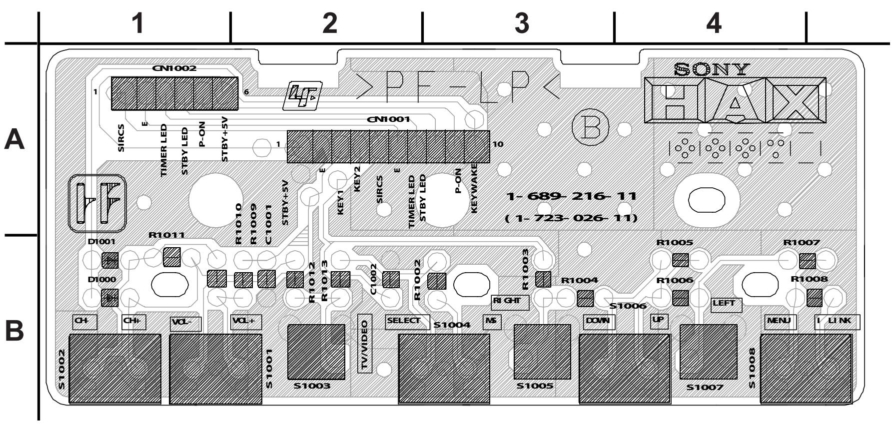
HAX [KEY INPUT]

COMPONENT SIDE

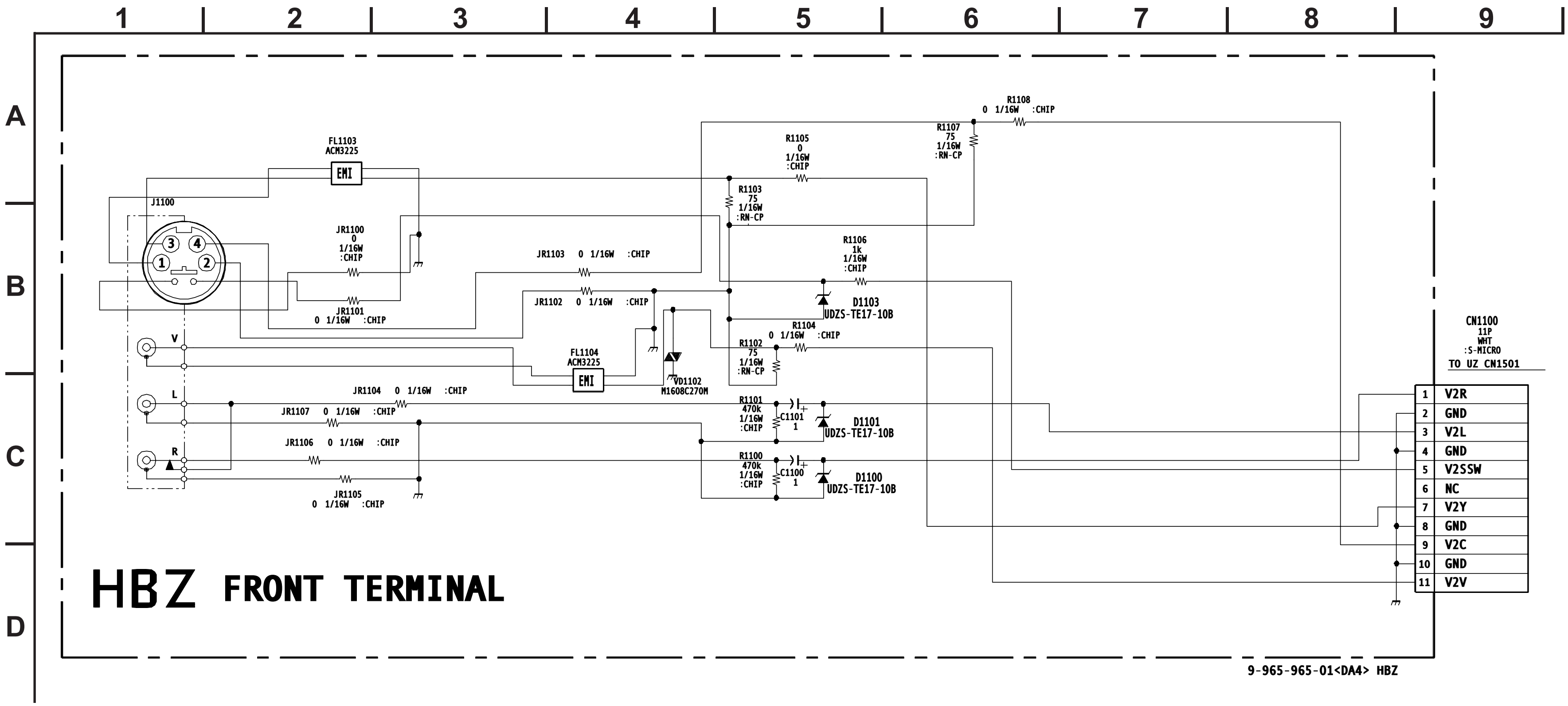


HAX [KEY INPUT]

CONDUCTOR SIDE



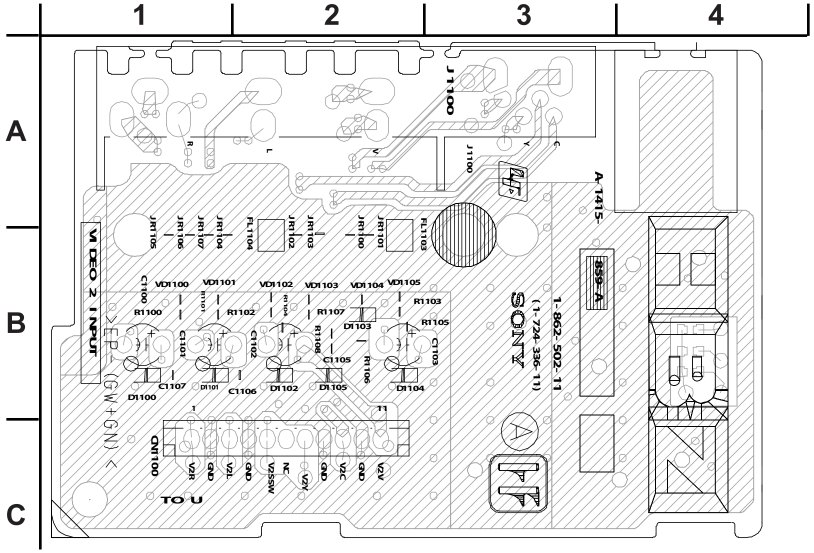
HBZ BOARD SCHEMATIC DIAGRAM



HBZ

[FRONT TERMINAL]

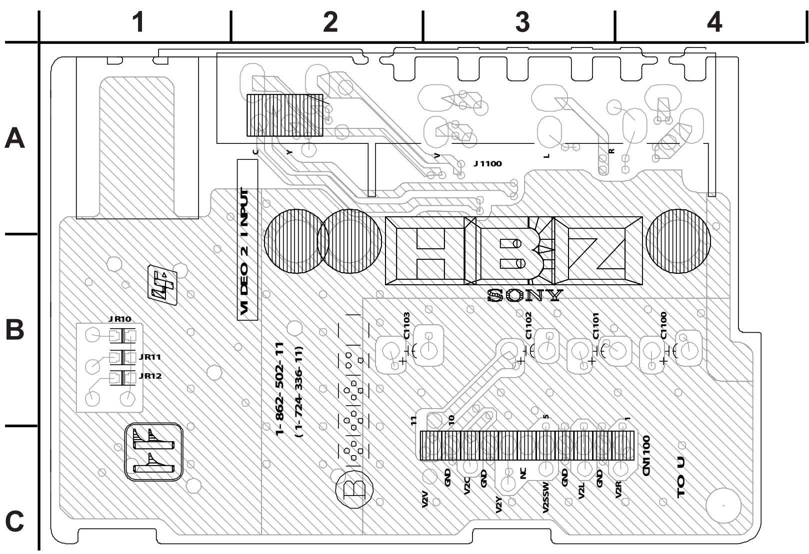
COMPONENT SIDE



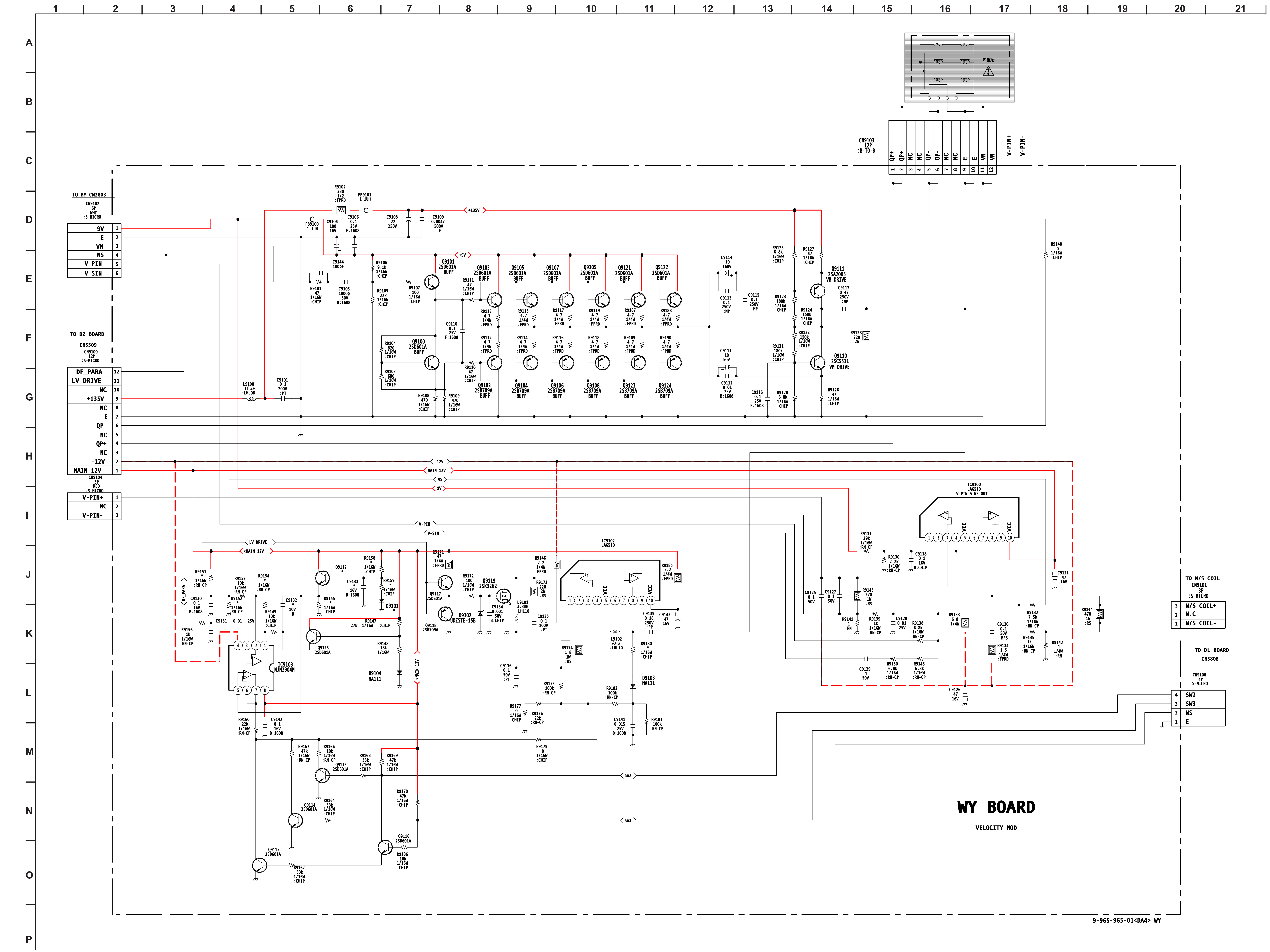
HBZ

[FRONT TERMINAL]

CONDUCTOR SIDE



WY BOARD SCHEMATIC DIAGRAM



WY BOARD IC VOLTAGE LIST

IC9100		IC9102		IC9103	
PIN	VOLT	PIN	VOLT	PIN	VOLT
1	NC	1	0.0	1	6.0
2	0.0	2	0.0	2	3.5
3	0.0	3	0.0	3	3.6
4	0.5	4	0.0	4	-12.0
5	-12.0	5	-12.0	5	1.2
6	0.5	6	NC	6	1.2
7	0.5	7	NC	7	1.2
8	0.0	8	NC	8	12.0
9	NC	9	NC		
10	12.0	10	12.0		

All voltages are in V.

WY BOARD TRANSISTOR VOLTAGE LIST

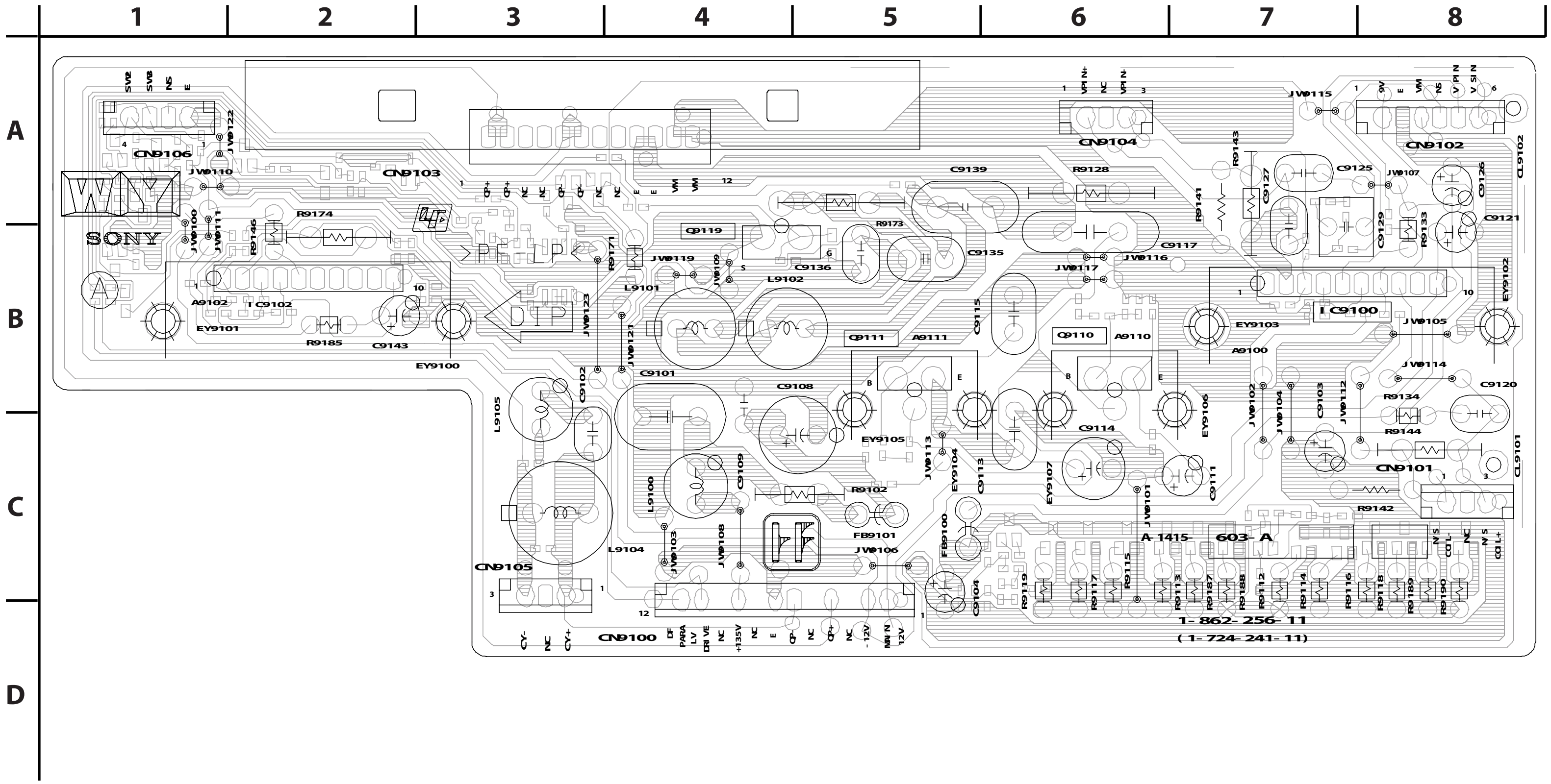
	B	C	E
Q9100	4.3	5.2	3.6
Q9101	0.0	9.0	5.2
Q9102	3.6	GND	4.3
Q9103	5.1	9.0	4.5
Q9104	3.6	GND	4.3
Q9105	5.1	9.0	4.5
Q9106	3.6	GND	4.3
Q9107	5.1	9.0	4.5
Q9108	3.6	GND	4.3
Q9109	5.1	9.0	4.5
Q9110	0.8	66.7	0.2
Q9111	133.8	66.7	134.3
Q9112	0.6	12.0	1.2
Q9113	0.6	0.0	GND
Q9114	0.6	0.0	GND
Q9115	0.6	0.0	GND
Q9116	4.7	4.2	GND
Q9117	6.6	12.0	6.7
Q9118	6.6	GND	6.7
Q9121	5.1	9.0	4.5
Q9122	5.1	9.0	4.5
Q9123	3.6	GND	4.3
Q9124	3.6	GND	4.3
Q9125	5.7	12.0	6.3

	D	G	S
Q9119	0.0	6.7	GND

All voltages are in V.

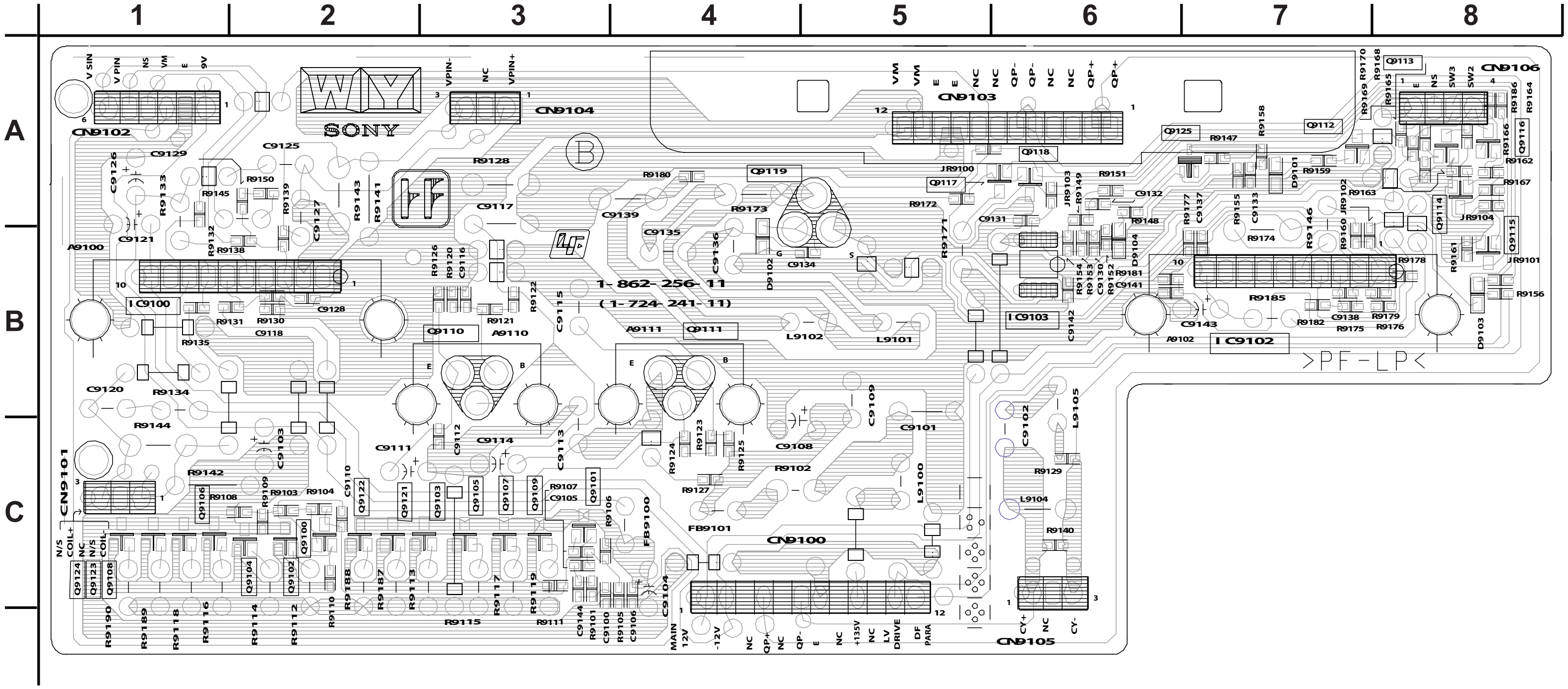
WY [VELOCITY MOD]

COMPONENT SIDE

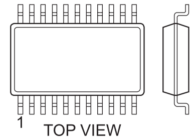


WY [VELOCITY MOD]

CONDUCTOR SIDE

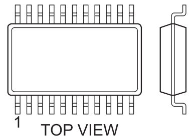


5-5.SEMICONDUCTORS (1 OF 2)



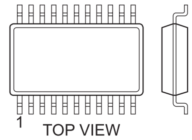
14pin

M52055FP
TLC2932IPW
TLC2933IPWR-12



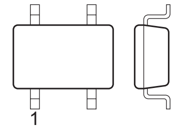
16pin

CXD2085M-T4
SN74LV4053ANSR



32pin

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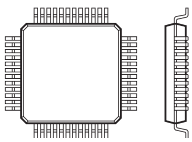
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PST9145NL
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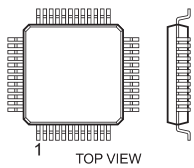
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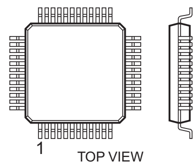
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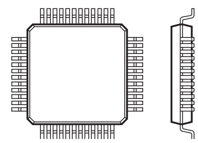
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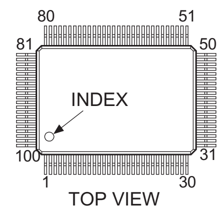
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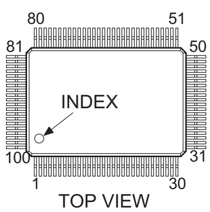


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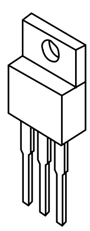
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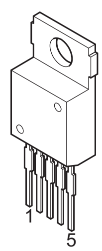
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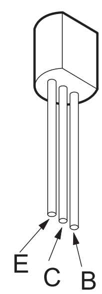
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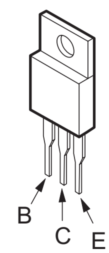
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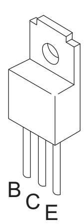
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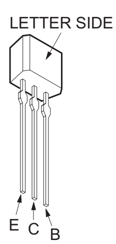
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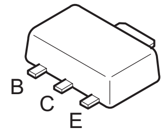
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IRFI9630GS



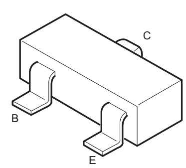
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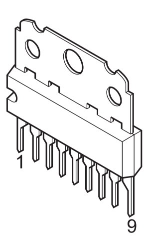
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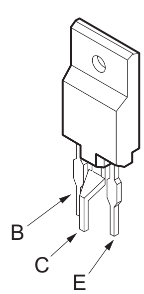
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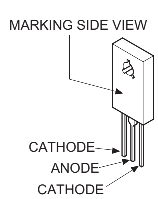
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2SD601A-QRS-TX
2SB709A-QRS-TX
2SC2412K-T-146-QR
2SD2114KT146



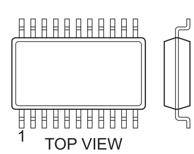
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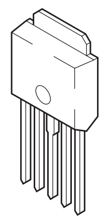
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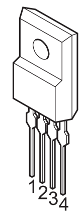
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NJM2904M-TE2
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TC7WU04FU(TE12R)

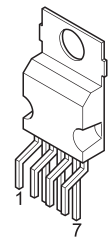
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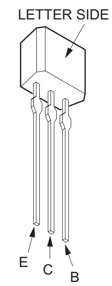
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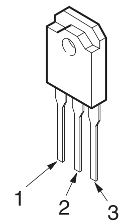
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PQ05RF21
PQ12RF21
PQ30RV21



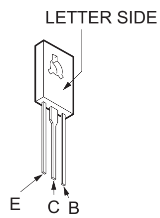
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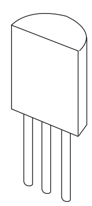
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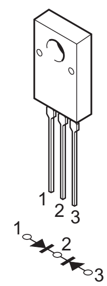
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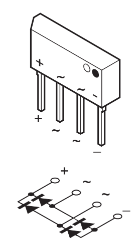
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2SC3840K



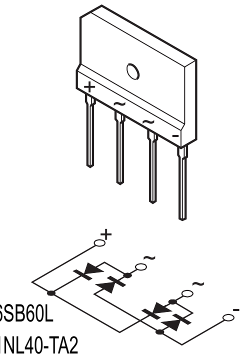
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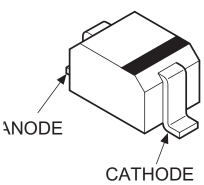
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D8LC40F



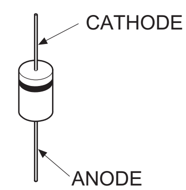
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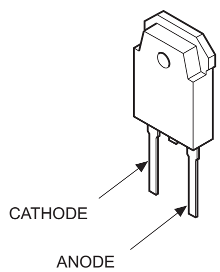
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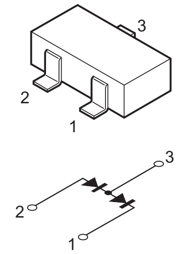
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MA113-TX
UDZSTE-1710B
UDZSTE-176.8B
UDZSTE-17-12



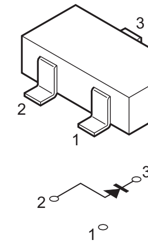
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ERC91-02E



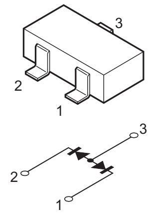
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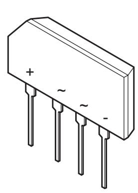
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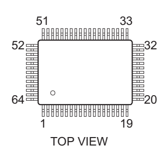
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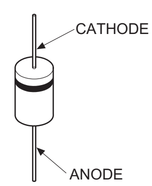
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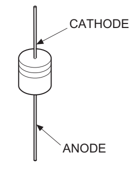
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CXP85840A-039Q



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ERC04-06SE
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HSS83TD
HZU11B1TRF
RGP02-20EL-6394
MTZJ-77-22B



D1NS4-TA2
MTZJ-T-77-15
MTZJ-T-77-15B
MTZJ-T-77-33B
MTZJ-T-77-10
MTZJ-T-77-12
MTZJ-T-77-13C
MTZJ-T-77-2.0A
MTZJ-T-77-22
MTZJ-T-77-3.0B
MTZJ-T-77-3.9B
MTZJ-T-77-33C
MTZJ-T-77-4.7B
MTZJ-T-77-5.1B
MTZJ-T-77-7.5B
RD5.6ES-T1B2

SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

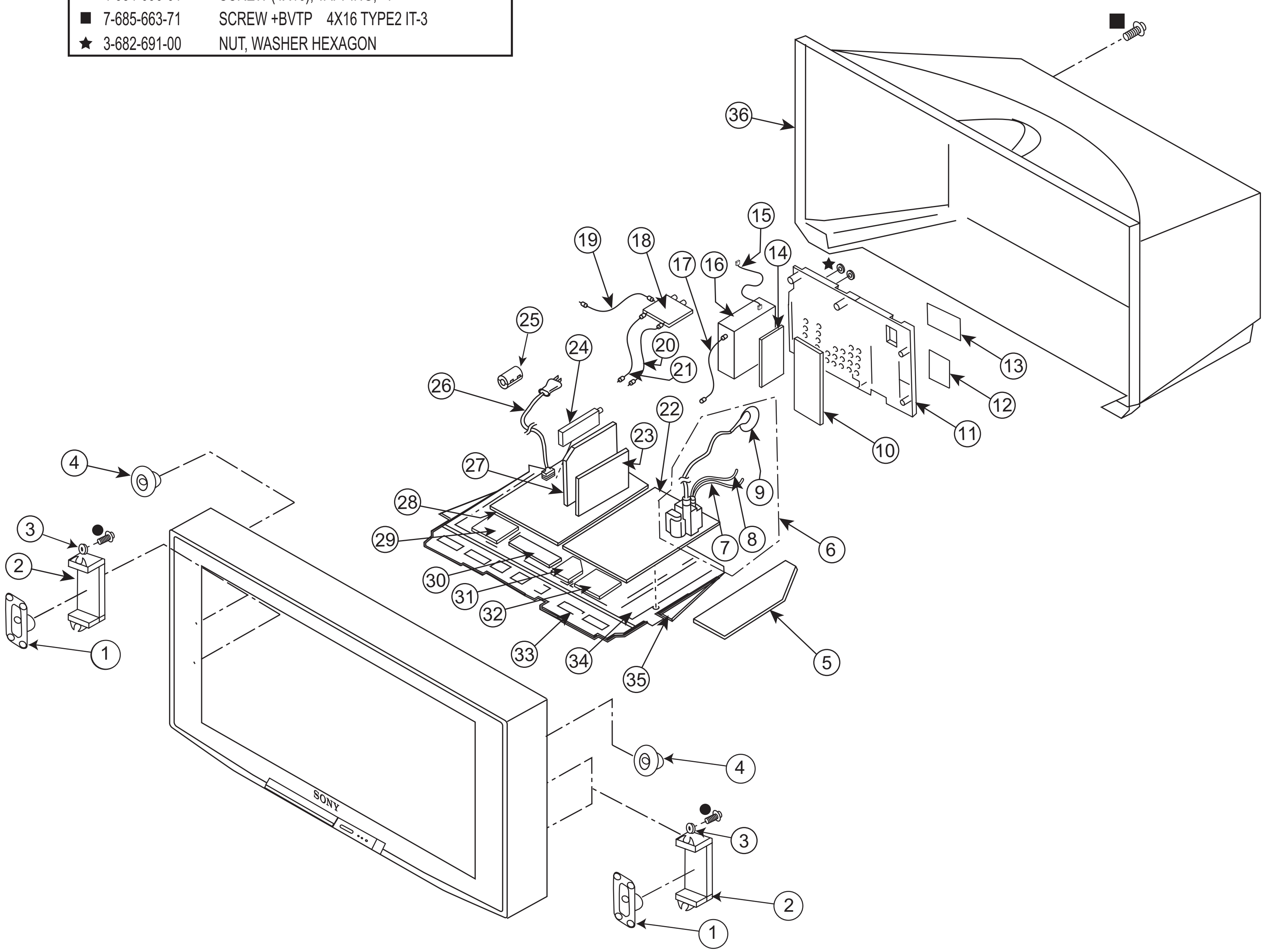
*** Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.**

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-1. CHASSIS (KD-34XBR960 ONLY)

● 4-384-096-01	SCREW (4X16), TAPPING, +P	
■ 7-685-663-71	SCREW +BVTP 4X16 TYPE2 IT-3	
★ 3-682-691-00	NUT, WASHER HEXAGON	



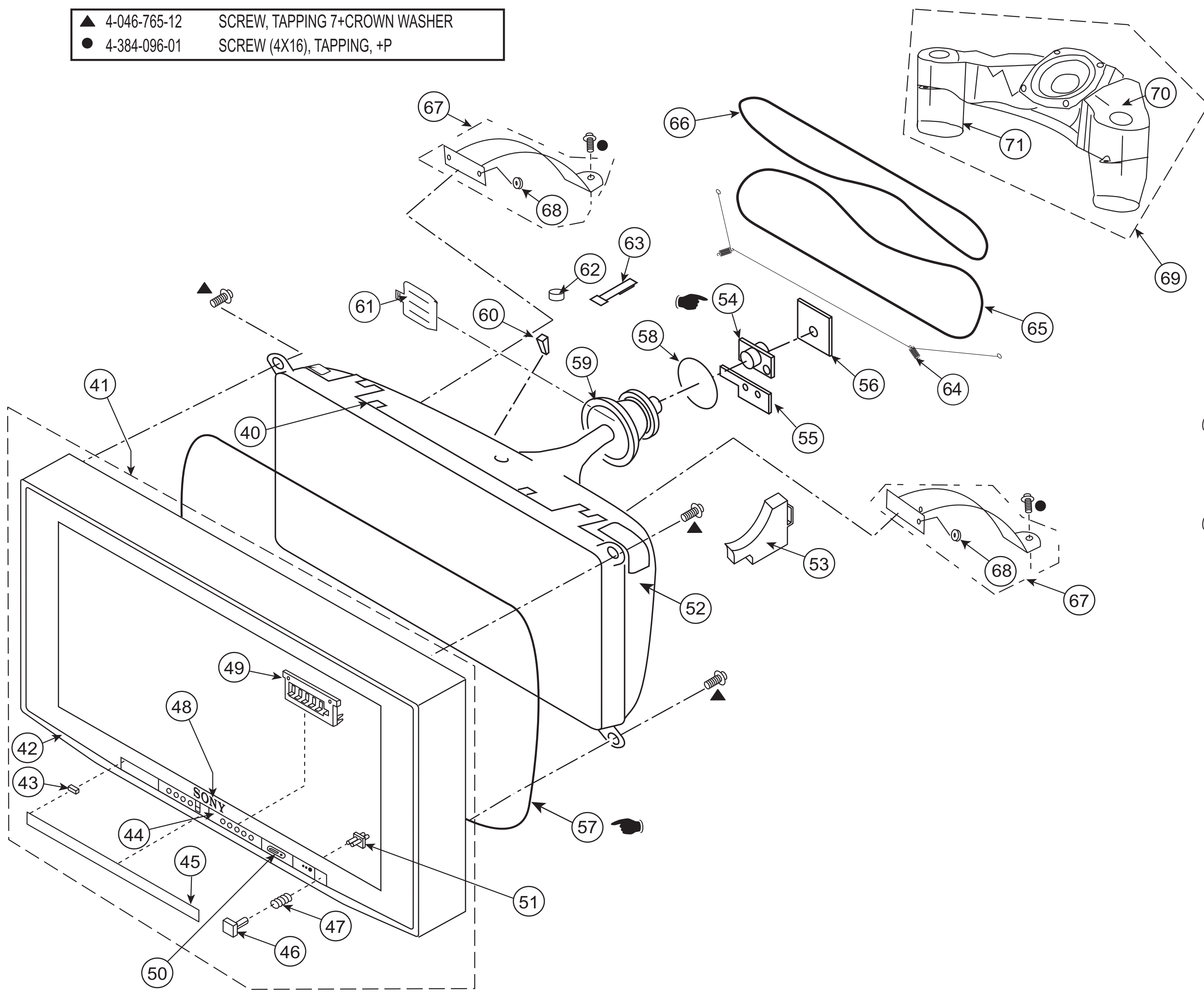
	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
	1	1-825-512-11	LOUDSPEAKER (6X13CM)	
*	2	4-086-708-01	BRACKET, SPEAKER	
	3	4-374-745-31	CUSHION (A)	
	4	1-825-511-11	LOUDSPEAKER (5.2CM)	
*	5	A-1302-221-A	DL BOARD, COMPLETE	
⚠	6	1-453-464-11	FBT ASSY NX-6200//X4J4	[7-9]
⚠	7	1-900-808-42	WIRE ASSY, G2	
⚠	8	1-900-805-19	WIRE ASSY, FOCUS HV	
⚠	9	1-251-715-22	CAP ASSY, HIGH-VOLTAGE	
*	10	A-1303-037-A	UZ BOARD, COMPLETE	
*	11	4-102-770-01	BRACKET, U	
*	12	1-417-507-11	POD-HOST CERT,D-CABLE READY	
	13	4-102-769-01	LABEL, TERMINAL	
*	14	A-1302-939-A	P BOARD, COMPLETE	
	15	1-823-515-31	CORD WITH CONNECTOR (I-LINK)	
*	16	A-1606-918-A	Q BOX ASSEMBLY The Q Box Assembly contains the QI Board, QM Board, QT Board, and the QU Board. These boards cannot be ordered separately.	
*	17	1-829-191-11	CABLE, USB	
⚠	18	8-597-906-00	ANTENNA SWITCH RFD-SA801	
	19	1-829-702-11	COAXIAL CABLE WITH F-PLUG	
*	20	1-557-056-31	CABLE, P-P	
*	21	1-555-110-00	P-P CABLE	
*	22	A-1303-038-A	DZ BOARD, COMPLETE The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).	
*	23	A-1303-035-A	BY BOARD, COMPLETE	
	24	8-598-594-30	TUNER, FSS BTF-FA21	
	25	1-500-586-11	FILTER, CLAMP (FERRITE CORE)	
⚠	26	1-769-837-11	CORD, POWER(WITH NOISE FILTER)	
*	27	A-1303-036-A	MZ BOARD, COMPLETE	
*	28	A-1303-034-A	AZ BOARD, COMPLETE	
*	29	A-1415-859-A	HBZ BOARD, MOUNTED	
*	30	A-1405-292-A	HAX BOARD, MOUNTED	
*	31	A-1303-030-A	QH BOARD, COMPLETE	
*	32	A-1303-039-A	HCX BOARD, COMPLETE	
*	33	4-093-830-02	BRACKET, H	
*	34	4-095-271-12	BRACKET, MAIN	
*	35	4-093-522-01	BOARD, BOTTOM	
	36	4-095-438-01	COVER, REAR	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-2. PICTURE TUBE (KD-34XBR960 ONLY)

▲	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
●	4-384-096-01	SCREW (4X16), TAPPING, +P



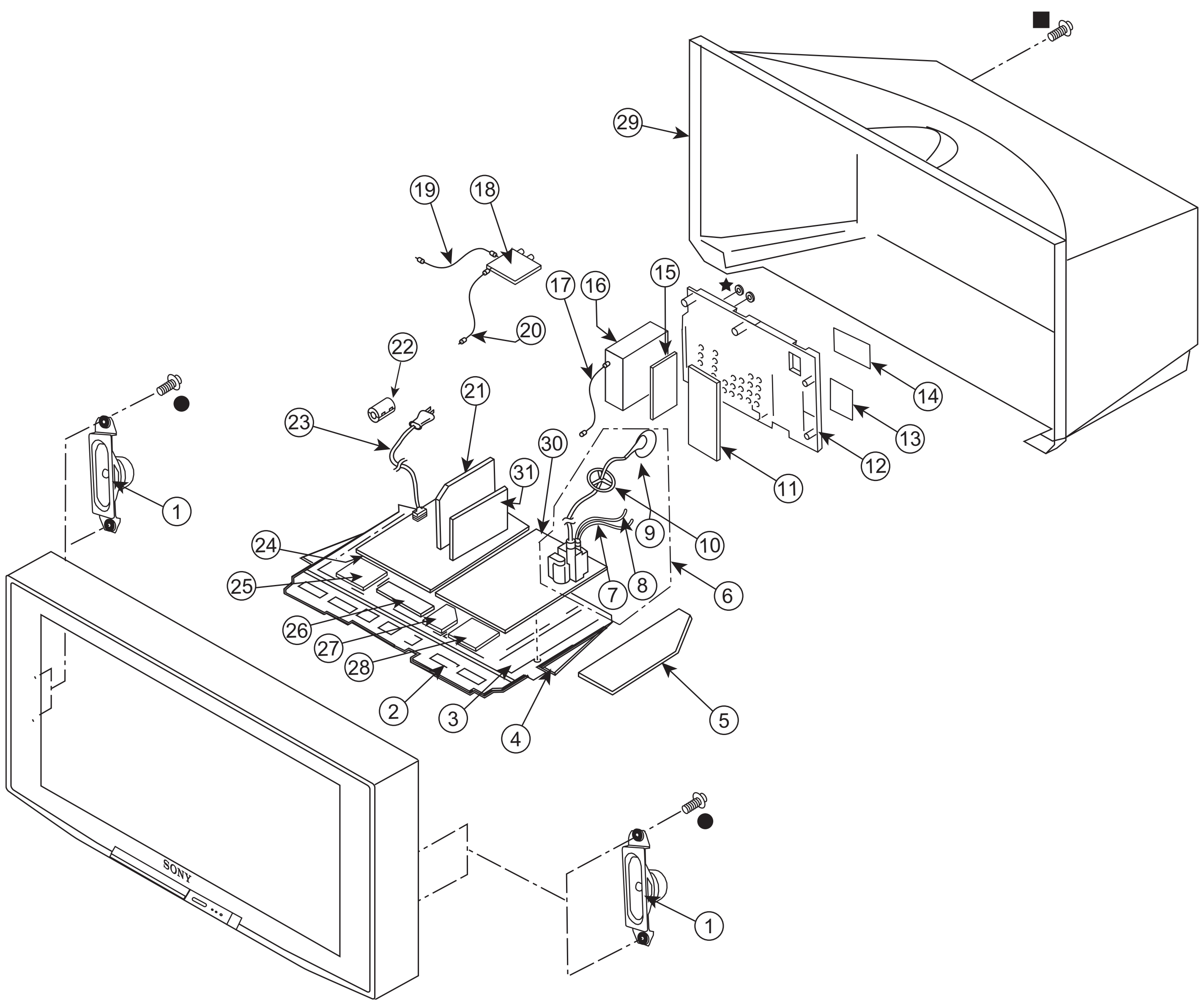
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
40	4-097-335-01	HOOK, GROUND WIRE	
41	X-2021-253-1	BEZNET ASSEMBLY	[42-49]
42	4-093-527-02	CABINET	
43	4-093-909-01	DAMPER, DOOR	
44	4-093-955-11	LABEL, BUTTON	
45	4-093-609-01	DOOR, CONTROL	
46	4-093-612-01	BUTTON, POWER	
47	4-042-593-11	SPRING, COMPRESSION	
48	3-704-179-31	EMBLEM (NO.9), SONY	
49	4-093-611-22	BUTTON, MULTI	
50	4-099-422-01	PANEL, MS DUO	
51	4-093-610-01	GUIDE, LED	
⚠ 52	8-735-218-05	CRT 36RDE(DDP) W86LXX015X	
53	4-093-523-01	SUPPORTER, CRT	
☛ ⚠ 54	8-453-023-21	NECK ASSEMBLY NA328-M2	
* 55	A-1415-862-A	WY (VAR) BOARD, MOUNTED	
* 56	A-1400-562-A	CX BOARD, MOUNTED	
☛ ⚠ 57	1-456-850-11	COIL, LANDING CORRECTION	
		The Landing Correction Coil attaches to the Beznet but is NOT part of the Beznet Assembly.	
⚠ 58	1-451-498-31	COIL, NA ROTATION	
⚠ 59	8-451-530-41	DY Y36DEC-M2C	
60	4-086-199-02	SPACER, DY	
61	2-163-920-01	PLATE, TLH CORRECTION	
62	1-452-032-00	MAGNET,DISC	
63	4-051-734-21	PIECE B(120), CONV. CORRECT	
64	4-065-852-01	SPRING, EXTENSION	
⚠ 65	1-456-472-21	DEGAUSSING COIL (WITH LCC)	
⚠ 66	1-456-472-11	DEGAUSSING COIL (WITH LCC)	
67	X-4042-198-1	ASSY, SPEAKER ARM	[68]
68	4-374-745-31	CUSHION (A)	
69	1-544-952-12	SPEAKER BOX (WOOFER)	[70-71]
* 70	4-083-309-01	BOX, SPEAKER (TOP)	
* 71	4-083-310-01	BOX, SPEAKER (BOTTOM)	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-3. CHASSIS (KD-30XS955/34XS955 ONLY)

● 4-384-096-01	SCREW (4X16), TAPPING, +P	
■ 7-685-663-71	SCREW +BVTP	4X16 TYPE2 IT-3
★ 3-682-691-00	NUT, WASHER HEXAGON	



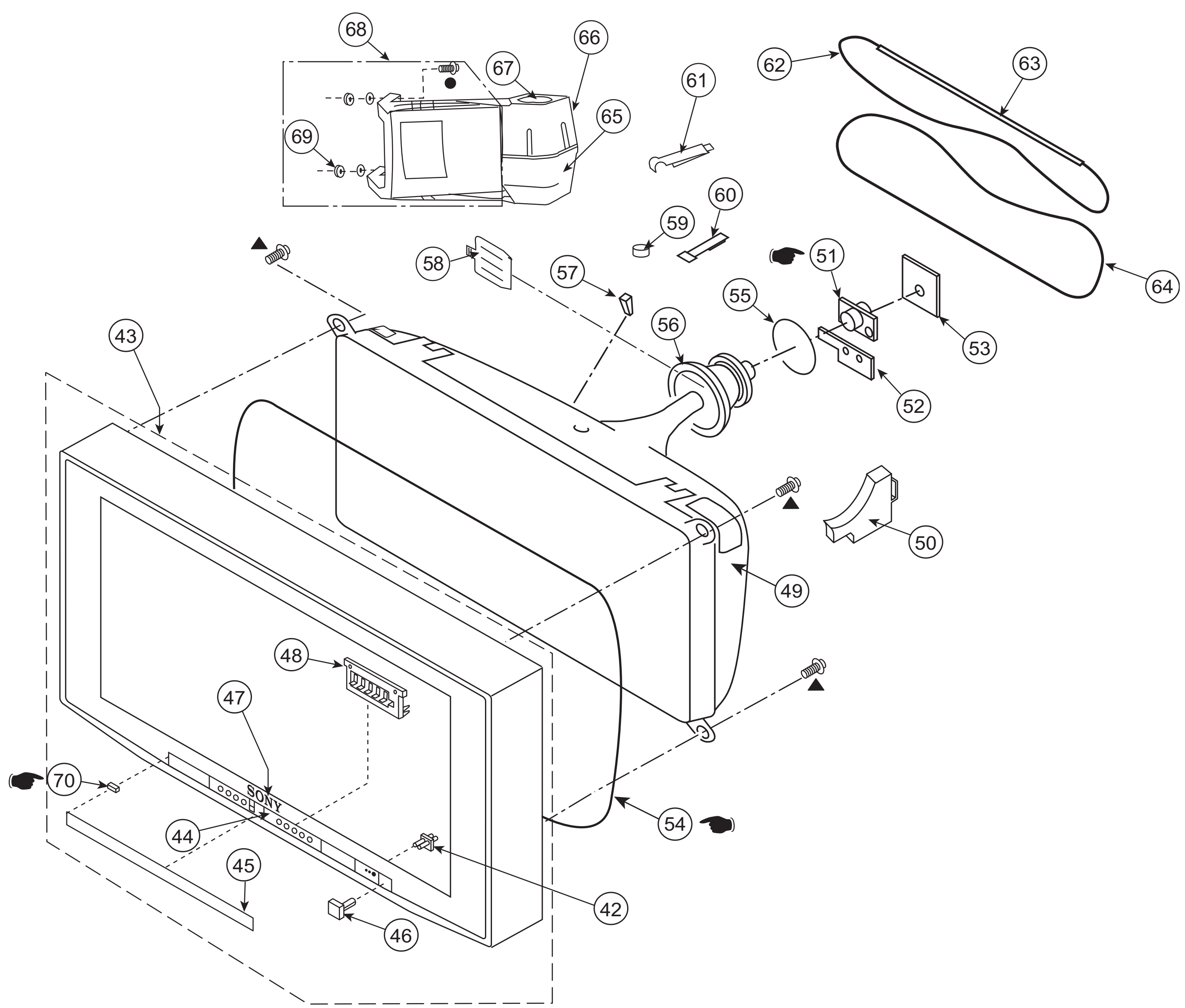
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
1	1-825-841-11	LOUDSPEAKER	
* 2	4-102-134-03	BRACKET, H	
* 3	4-095-271-02	BRACKET, MAIN	
* 4	4-102-133-03	BOARD, BOTTOM	
* 5	A-1302-223-B	DL BOARD, COMPLETE (KV-30XS955 ONLY)	
* 5	A-1302-221-A	DL BOARD, COMPLETE (KV-34XS955 ONLY)	
⚠ 6	1-453-464-11	FBT ASSY NX-6200//X4J4	[7-9]
⚠ 7	1-900-808-42	WIRE ASSY, G2	
⚠ 8	1-900-805-19	WIRE ASSY, FOCUS HV	
⚠ 9	1-251-715-22	CAP ASSY, HIGH-VOLTAGE	
10	4-084-918-01	HOLDER, HV CABLE	
* 11	A-1303-037-A	UZ BOARD, COMPLETE	
* 12	4-102-770-01	BRACKET, U	
* 13	1-417-507-11	POD-HOST CERT,D-CABLE READY	
14	4-102-767-01	LABEL, TERMINAL	
* 15	A-1302-939-A	P BOARD, COMPLETE	
* 16	A-1606-921-A	Q BOX ASSEMBLY	
	The Q Box Assembly contains the QM Board, QT Board, and the QU Board. These boards cannot be ordered separately.		
* 17	1-829-191-11	CABLE, USB	
⚠ 18	8-597-906-00	ANTENNA SWITCH RFD-SA801	
19	1-829-702-11	COAXIAL CABLE WITH F-PLUG	
* 20	1-555-110-00	P-P CABLE	
* 21	A-1303-043-A	MZ BOARD, COMPLETE	
22	1-500-586-11	FILTER, CLAMP (FERRITE CORE)	
⚠ 23	1-769-837-11	CORD, POWER(WITH NOISE FILTER)	
* 24	A-1303-044-A	AZ BOARD, COMPLETE (KV-30XS955 ONLY)	
* 24	A-1303-040-A	AZ BOARD, COMPLETE (KV-34XS955 ONLY)	
* 25	A-1415-859-A	HBZ BOARD, MOUNTED	
* 26	A-1405-292-A	HAX BOARD, MOUNTED	
* 27	A-1303-030-A	QH BOARD, COMPLETE	
* 28	A-1303-042-A	HCX BOARD, COMPLETE	
29	4-102-138-01	COVER, REAR (KV-30XS955 ONLY)	
29	4-102-123-02	COVER, REAR (KV-34XS955 ONLY)	
* 30	A-1303-045-A	DZ BOARD, COMPLETE (KV-30XS955 ONLY) The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).	
* 30	A-1303-038-A	DZ BOARD, COMPLETE (KV-34XS955 ONLY) The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).	
* 31	A-1303-041-A	BY BOARD, COMPLETE	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-4. PICTURE TUBE (KD-30XS955/34XS955 ONLY)

▲	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
●	4-384-096-01	SCREW (4X16), TAPPING, +P



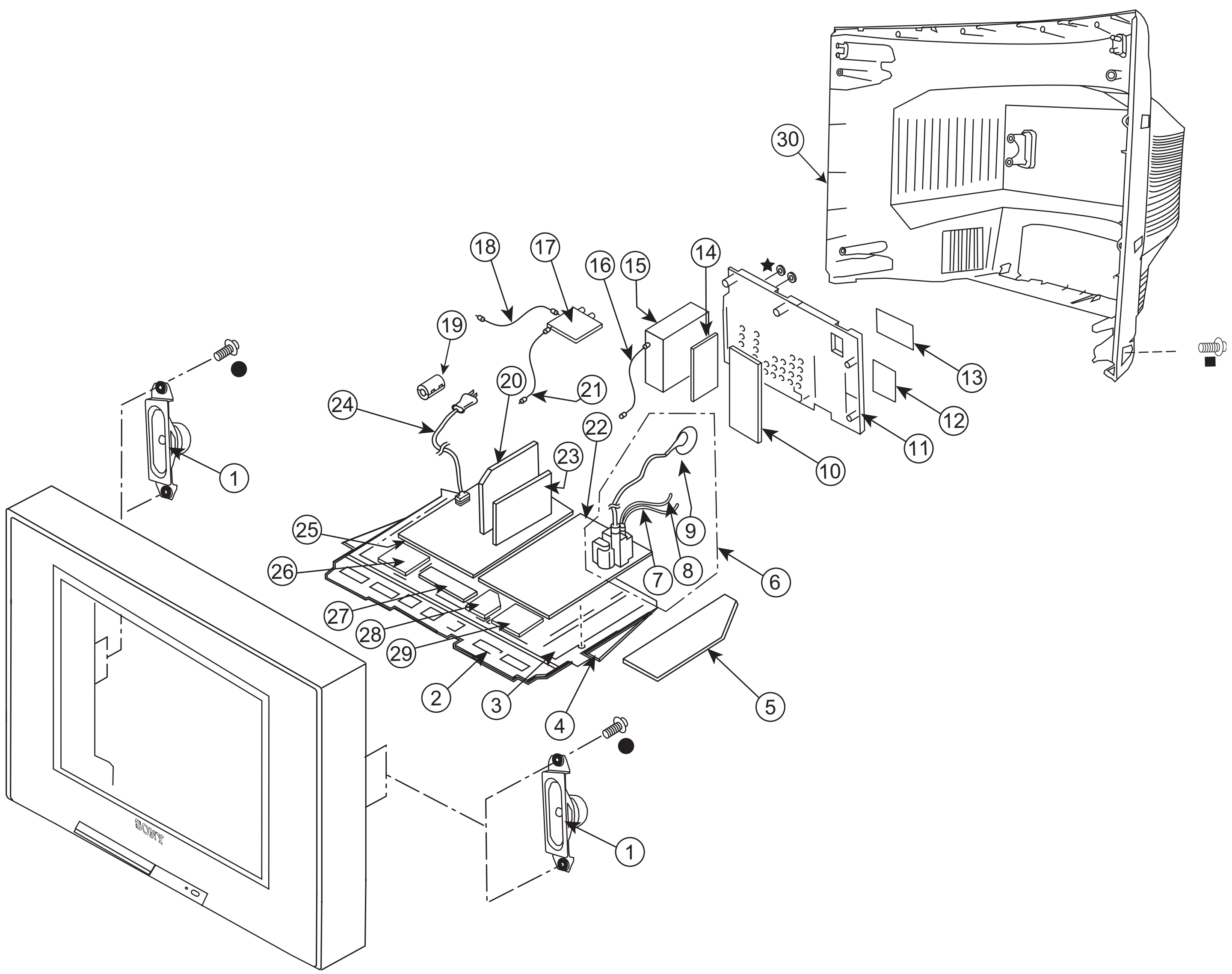
	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
	42	4-102-128-11	GUIDE, LED	
☛	43	X-2021-378-1	BEZNET ASSY (KV-30XS955 ONLY)	[44-48, 70]
	43	X-2021-379-1	BEZNET ASSY (KV-34XS955 ONLY)	[44-48, 70]
	44	4-102-768-01	LABEL, FRONT CONTROL	
☛	45	4-102-127-31	DOOR, CONTROL	
☛	46	4-102-129-21	BUTTON, POWER	
	47	3-704-179-01	EMBLEM (NO.9), SONY	
	48	4-093-611-02	BUTTON, MULTI	
⚠	49	8-735-228-05	CRT 32RDEN(DDP)(FILMLESS) W76LXY000X (KV-30XS955 ONLY)	
⚠	49	8-735-218-05	CRT 36RDE(DDP) W86LXX015X (KV-34XS955 ONLY)	
	50	4-102-136-01	SUPPORTER, CRT	
☛ ⚠	51	8-453-022-21	NECK ASSEMBLY NA2920-M2 (KV-30XS955 ONLY)	
☛ ⚠	51	8-453-023-21	NECK ASSEMBLY NA328-M2 (KV-34XS955 ONLY)	
*	52	A-1415-869-A	WY (VAR) BOARD, MOUNTED (KV-30XS955 ONLY)	
*	52	A-1415-862-A	WY (VAR) BOARD, MOUNTED (KV-34XS955 ONLY)	
*	53	A-1400-562-A	CX BOARD, MOUNTED	
☛ ⚠	54	1-419-792-11	LANDING CORRECTION COIL (LCC) (KV-30XS955 ONLY)	
☛ ⚠	54	1-456-850-11	LANDING CORRECTION COIL (LCC) (KV-34XS955 ONLY)	
			The Landing Correction Coil attaches to the Beznet but is NOT part of the Beznet Assembly.	
⚠	55	1-451-498-31	COIL, NA ROTATION	
⚠	56	1-451-551-21	DEFLECTION YOKE (Y32VEC-T) (KV-30XS955 ONLY)	
⚠	56	8-451-530-41	DY Y36DEC-M2C (KV-34XS955 ONLY)	
	57	4-086-199-02	SPACER, DY	
	58	2-163-920-01	PLATE, TLH CORRECTION	
	59	1-452-032-00	MAGNET,DISC	
	60	4-051-734-21	PIECE B(120), CONV. CORRECT	
	61	4-102-284-01	CLIP, DGC	
⚠	62	1-456-473-11	DEGAUSSING COIL (WITH LCC) (KV-30XS955 ONLY)	
⚠	62	1-456-472-11	DEGAUSSING COIL (WITH LCC) (KV-34XS955 ONLY)	
	63	4-103-011-01	TUBE, DGC (C) (KV-30XS955 ONLY)	
⚠	64	1-456-473-21	DEGAUSSING COIL (WITH LCC) (KV-30XS955 ONLY)	
⚠	64	1-456-472-21	DEGAUSSING COIL (WITH LCC) (KV-34XS955 ONLY)	
*	65	4-086-700-23	BOX, WOOFER (BOTTOM)	
*	66	4-086-699-21	BOX, WOOFER (TOP)	
	67	1-825-105-11	LOUDSPEAKER (10 CM)	
*	68	X-4040-296-2	ARM ASSY, WOOFER BOX (KV-30XS955 ONLY)	
	68	X-2021-380-1	ASSY, SPEAKER ARM (KV-34XS955 ONLY)	[69]
	69	4-374-745-31	CUSHION (A)	
☛	70	4-102-131-11	DAMPER, DOOR	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-5. CHASSIS (KD-36XS955 ONLY)

●	4-384-096-01	SCREW (4X16), TAPPING, +P
■	7-685-663-71	SCREW +BVTP 4X16 TYPE2 IT-3
★	3-682-691-00	NUT, WASHER HEXAGON



	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
	1	1-825-841-11	LOUDSPEAKER	
*	2	4-102-134-03	BRACKET, H	
*	3	4-095-271-02	BRACKET, MAIN	
*	4	4-102-133-03	BOARD, BOTTOM	
*	5	A-1062-016-A	DL BOARD, COMPLETE	
⚠	6	1-453-464-11	FBT ASSY NX-6200//X4J4	[7-9]
⚠	7	1-900-808-42	WIRE ASSY, G2	
⚠	8	1-900-805-19	WIRE ASSY, FOCUS HV	
⚠	9	1-251-715-22	CAP ASSY, HIGH-VOLTAGE	
*	10	A-1303-037-A	UZ BOARD, COMPLETE	
*	11	4-102-770-01	BRACKET, U	
*	12	1-417-507-11	POD-HOST CERT,D-CABLE READY	
	13	4-102-767-01	LABEL, TERMINAL	
*	14	A-1302-939-A	P BOARD, COMPLETE	
*	15	A-1606-921-A	Q BOX ASSEMBLY The Q Box Assembly contains the QM Board, QT Board, and the QU Board. These boards cannot be ordered separately.	
*	16	1-829-191-11	CABLE, USB	
⚠	17	8-597-906-00	ANTENNA SWITCH RFD-SA801	
*	18	1-829-702-11	COAXIAL CABLE WITH F-PLUG	
	19	1-500-586-11	FILTER, CLAMP (FERRITE CORE)	
*	20	A-1303-043-A	MZ BOARD, COMPLETE	

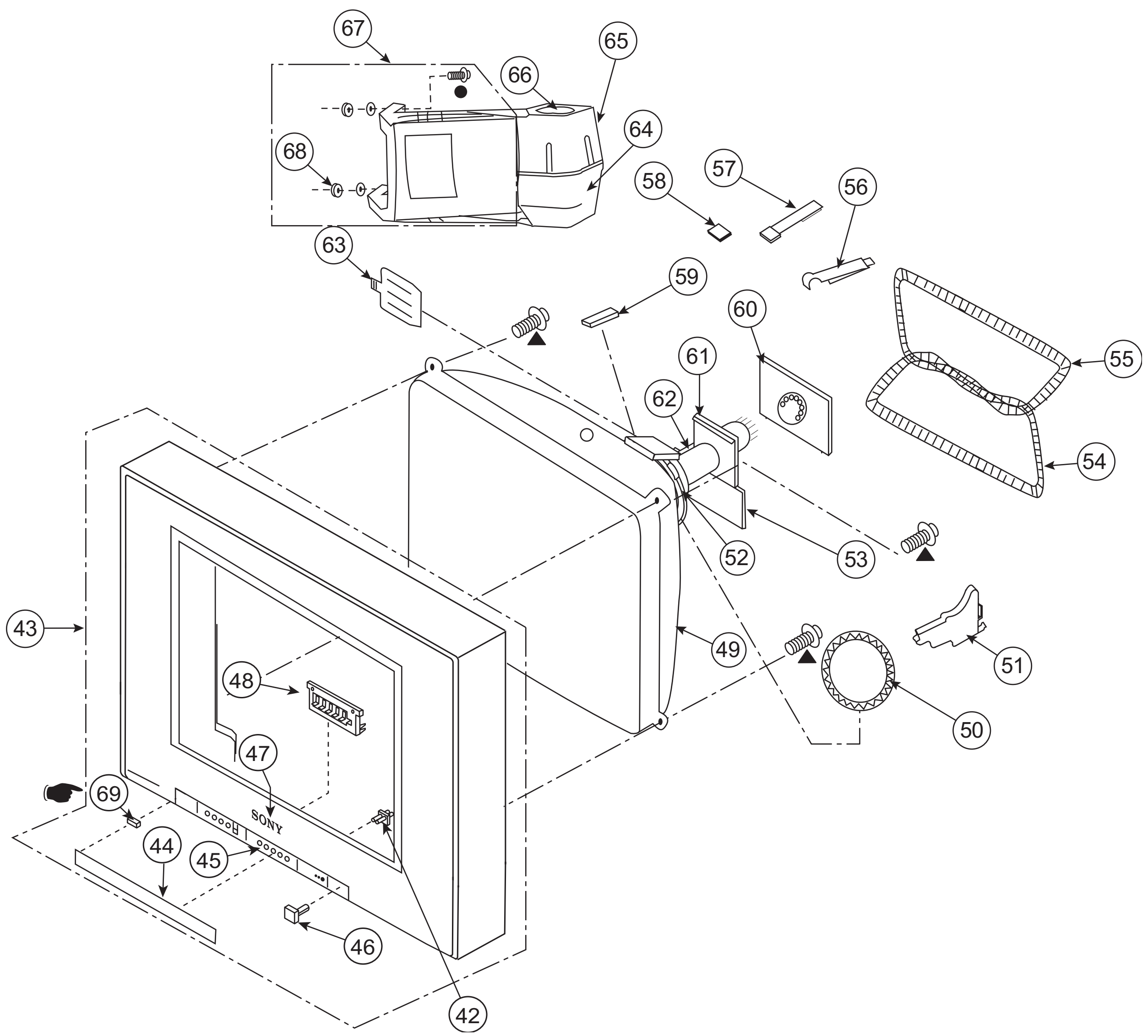
	REF. NO.	PART NO.	DESCRIPTION
*	21	1-555-110-00	P-P CABLE
*	22	A-1062-014-A	DZ BOARD, COMPLETE The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).
*	23	A-1303-041-A	BY BOARD, COMPLETE
⚠	24	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
*	25	A-1062-012-A	AZ BOARD, COMPLETE
*	26	A-1415-859-A	HBZ BOARD, MOUNTED
*	27	A-1405-292-A	HAX BOARD, MOUNTED
*	28	A-1303-030-A	QH BOARD, COMPLETE
*	29	A-1303-042-A	HCX BOARD, COMPLETE
	30	4-102-125-01	COVER, REAR

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

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6-6. PICTURE TUBE (KD-36XS955 ONLY)

▲	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
●	4-384-096-01	SCREW (4X16), TAPPING, +P



	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
	42	4-102-128-11	GUIDE, LED	
☛	43	X-2022-158-1	BEZNET ASSY	[44-48, 69]
	44	4-102-127-31	DOOR, CONTROL (KV-36XS955 HAWAII ONLY)	
☛	44	4-102-127-31	DOOR, CONTROL (KV-36XS955 US ONLY)	
	45	4-102-768-01	LABEL, FRONT CONTROL	
	46	4-102-129-01	BUTTON, POWER (KV-36XS955 HAWAII ONLY)	
	46	4-102-129-21	BUTTON, POWER (KV-36XS955 US ONLY)	
	47	3-704-179-01	EMBLEM (NO.9), SONY	
	48	4-093-611-02	BUTTON, MULTI	
⚠	49	8-735-130-05	CRT 38RFN(FOR ME) A90LYF00X	
⚠	50	1-451-498-31	COIL, NA ROTATION	
	51	4-102-136-01	SUPPORTER, CRT	
⚠	52	8-451-533-11	DY Y38RFC-M	
*	53	A-1062-018-A	WY (VAR) BOARD, MOUNTED	
⚠	54	1-456-793-21	DEGAUSING COIL (BOTTOM)	
⚠	55	1-456-793-11	DEGAUSING COIL (TOP)	
	56	4-065-895-12	HOLDER, DGC	
	57	4-051-734-21	PIECE B(120), CONV. CORRECT	
	58	1-452-032-00	MAGNET,DISC	
	59	2-108-702-01	CUSHION, DY (10X25)	
*	60	A-1400-562-A	CX BOARD, MOUNTED	
⚠ *	61	1-456-830-11	LANDING CORRECTION COIL (LCC)	
⚠	62	8-453-023-21	NECK ASSEMBLY NA328-M2	
	63	2-163-920-01	PLATE, TLH CORRECTION	
*	64	4-086-700-23	BOX, WOOFER (BOTTOM)	
*	65	4-086-699-21	BOX, WOOFER (TOP)	
	66	1-825-105-11	LOUDSPEAKER (10 CM)	
*	67	X-4040-296-2	ARM ASSY, WOOFER BOX	[68]
	68	4-374-745-31	CUSHION (A)	
☛	69	4-102-131-11	DAMPER, DOOR	

SECTION 7: ELECTRICAL PARTS LIST

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components in this manual identified by the following symbol: ⧓ indicate parts that have been carefully factory-selected to satisfy regulations regarding X-ray radiation for each set.

Should replacement be required for one of these components, replace only with the value originally used.

*** Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.**

RESISTORS

- **All resistors are in ohms**
- **F : nonflammable**
- **All variable and adjustable resistors have characteristic curve B, unless otherwise noted.**

DL

When ordering parts by reference number, please include the board name.

DL

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
*		**A-1062-016-A**	**DL BOARD, COMPLETE**			
		(KD-36XS955 ONLY)				
*		**A-1302-221-A**	**DL BOARD, COMPLETE**			
		(KD-34XBR960/34XS955 ONLY)				
*		**A-1302-223-A**	**DL BOARD, COMPLETE**			
		(KD-30XS955 ONLY)				
		4-382-854-01	SCREW (M3X8), P, SW (+)			
		CAPACITOR				
	C5802	1-126-960-11	ELECT	1μF	20%	50V
	C5803	1-126-967-11	ELECT	47μF	20%	50V
	C5804	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C5806	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C5807	1-126-947-11	ELECT	47μF	20%	35V
	C5808	1-117-722-11	ELECT	2200μF	20%	10V
	C5809	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C5812	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C5822	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C5825	1-126-947-11	ELECT	47μF	20%	35V
	C5827	1-126-947-11	ELECT	47μF	20%	35V
	C5829	1-130-495-00	MYLAR	0.1μF	5%	50V
	C5830	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	C5831	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	C5832	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C5834	1-126-947-11	ELECT	47μF	20%	35V
	C5836	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C5837	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	C5838	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	C5839	1-126-947-11	ELECT	47μF	20%	35V
	C5840	1-126-947-11	ELECT	47μF	20%	35V
	C5841	1-130-495-00	MYLAR	0.1μF	5%	50V
	C5842	1-130-495-00	MYLAR	0.1μF	5%	50V
	C5843	1-130-495-00	MYLAR	0.1μF	5%	50V
	C5844	1-130-495-00	MYLAR	0.1μF	5%	50V
	C5846	1-126-935-11	ELECT	470μF	20%	16V
	C5847	1-126-947-11	ELECT	47μF	20%	35V
	C5849	1-126-935-11	ELECT	470μF	20%	16V
	C5850	1-104-665-11	ELECT	100μF	20%	25V
	C5851	1-104-665-11	ELECT	100μF	20%	25V
	C5903	1-126-964-11	ELECT	10μF	20%	50V
		CONNECTOR				
*	CN5801	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE)	10P		
	CN5802	1-564-505-11	PLUG, CONNECTOR	2P		
*	CN5804	1-564-510-11	PLUG, CONNECTOR	7P		
*	CN5805	1-564-506-11	PLUG, CONNECTOR	3P		
*	CN5806	1-564-507-11	PLUG, CONNECTOR	4P		
*	CN5807	1-564-507-11	PLUG, CONNECTOR	4P		
*	CN5808	1-564-507-11	PLUG, CONNECTOR	4P		
		DIODE				
	D5801	8-719-404-50	DIODE	MA111-TX		
	D5803	8-719-404-50	DIODE	MA111-TX		
	D5804	8-719-404-50	DIODE	MA111-TX		
	D5806	8-719-404-50	DIODE	MA111-TX		
		IC				
	IC5801	8-759-700-78	IC	NJM082M		
	IC5802	8-752-072-94	IC	CXA1875AM-T4		
	IC5803	8-759-701-01	IC	NJM2904M		
	IC5806	8-759-596-22	IC	SN74LV4066ANSR		
	IC5809	8-759-803-42	IC	LA6500-FA		
	IC5811	8-759-822-38	IC	LA6510		
	IC5812	8-759-822-38	IC	LA6510		
	IC5813	8-759-394-35	IC	BA12T		
	IC5814	8-759-929-65	IC	LM7912CT		
	IC5900	8-759-701-01	IC	NJM2904M		

DL

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	TRANSISTOR				
Q5801	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q5802	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q5803	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q5806	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q5807	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
	RESISTOR				
R5801	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5802	1-216-851-11	METAL CHIP	330K	5%	1/10W
R5803	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5804	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5805	1-218-772-11	METAL CHIP	680K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5805	1-218-776-11	METAL CHIP	1M	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5807	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5808	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5809	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5810	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5811	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5811	1-218-727-11	METAL CHIP	30K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5812	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5813	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5814	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5815	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5817	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
R5818	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
	(KD-30XS955/36XS955 ONLY)				
R5818	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5819	1-218-684-11	METAL CHIP	470	0.50%	1/10W
	(KD-30XS955/36XS955 ONLY)				
R5819	1-218-686-11	METAL CHIP	560	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5821	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5821	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(KD-30XS955/36XS955 ONLY)				
R5822	1-249-383-11	CARBON	1.5	5%	1/4W
R5823	1-216-809-11	METAL CHIP	100	5%	1/10W
R5824	1-216-809-11	METAL CHIP	100	5%	1/10W
R5825	1-249-383-11	CARBON	1.5	5%	1/4W
R5827	1-215-859-00	METAL OXIDE	22	5%	1W
R5828	1-249-441-11	CARBON	100K	5%	1/4W
R5829	1-215-859-00	METAL OXIDE	22	5%	1W
R5830	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5831	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(KD-30XS955/36XS955 ONLY)				
R5831	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5832	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5832	1-218-713-11	METAL CHIP	7.5K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5833	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5834	1-218-715-11	METAL CHIP	9.1K	0.50%	1/10W
	(KD-30XS955/36XS955 ONLY)				
R5834	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5835	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5835	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5836	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W
R5837	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(KD-30XS955/36XS955 ONLY)				
R5837	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5838	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R5839	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5840	1-218-709-11	METAL CHIP	5.1K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5840	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5841	1-249-441-11	CARBON	100K	5%	1/4W
R5842	1-215-859-00	METAL OXIDE	22	5%	1W
R5843	1-249-441-11	CARBON	100K	5%	1/4W
R5844	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5844	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5845	1-215-859-00	METAL OXIDE	22	5%	1W
R5846	1-216-793-11	METAL CHIP	4.7	5%	1/10W

DL

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5847	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5847	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5848	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5848	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5849	1-249-383-11	CARBON	1.5	5%	1/4W
R5851	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5851	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5852	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5852	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5853	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5853	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5853	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5854	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5854	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5855	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5855	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5855	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5856	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5856	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5856	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5857	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5857	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5857	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5858	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5858	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5858	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5859	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5859	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5859	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5860	1-249-441-11	CARBON	100K	5%	1/4W
R5861	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5861	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5862	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5862	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5863	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5863	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5864	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5865	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5865	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5866	1-249-383-11	CARBON	1.5	5%	1/4W
R5867	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5868	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5868	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5869	1-249-383-11	CARBON	1.5	5%	1/4W
R5871	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5872	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5873	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5873	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5874	1-249-441-11	CARBON	100K	5%	1/4W

DL P

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5875	1-215-858-00	METAL OXIDE	15	5%	1W
	(KD-36XS955 ONLY)				
R5875	1-215-859-00	METAL OXIDE	22	5%	1W
	(KD-34XBR960/34XS955 ONLY)				
R5875	1-215-861-00	METAL OXIDE	47	5%	1W
	(KD-30XS955 ONLY)				
R5876	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5877	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5879	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5880	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5883	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5883	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5884	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5885	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5886	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5887	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5887	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5889	1-249-383-11	CARBON	1.5	5%	1/4W
R5890	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5892	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5893	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5895	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5896	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5896	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5897	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5898	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5898	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5899	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5901	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5901	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5902	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5902	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5903	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5903	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5904	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5905	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5906	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5907	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5908	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5909	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5912	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5913	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5914	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
R5915	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5916	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5918	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5918	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R5919	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5920	1-216-864-11	SHORT CHIP			
R5921	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5922	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5923	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5924	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5925	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5926	1-216-864-11	SHORT CHIP			
R5928	1-216-809-11	METAL CHIP	100	5%	1/10W
R5930	1-216-864-11	SHORT CHIP			

P

* **A-1302-939-A P BOARD, COMPLETE**

The P and PA Boards are interchangeable.
Either board can be used as a replacement.

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C9507	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9508	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9509	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9510	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C9511	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V

P

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C9513	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9514	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9515	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9516	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9517	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9519	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9521	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9523	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9524	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9525	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9526	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9527	1-164-505-11	CERAMIC CHIP	2.2μF		16V
C9528	1-126-246-11	ELECT CHIP	220μF	20%	4V
C9529	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9530	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9531	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9532	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9533	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9534	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9535	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9537	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9538	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9540	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9541	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9542	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9543	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9545	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9546	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C9547	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9549	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9550	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9551	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9552	1-126-246-11	ELECT CHIP	220μF	20%	4V
C9553	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9554	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9555	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9557	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9558	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9559	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9560	1-126-246-11	ELECT CHIP	220μF	20%	4V
C9561	1-100-756-91	CERAMIC CHIP	0.047μF		50V
C9562	1-127-692-11	CERAMIC CHIP	10μF	10%	16V
C9563	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9566	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9570	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9571	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9575	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9576	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9578	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C9579	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C9583	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9584	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9585	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9586	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9587	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9588	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9589	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9623	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9824	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9825	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9826	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9828	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9830	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9831	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9832	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9833	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9835	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V
C9836	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9839	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9841	1-100-118-21	ELECT CHIP	82μF	20%	16V
C9842	1-137-897-21	ELECT CHIP	150μF	20%	4V
C9843	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V

CONNECTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
* CN9500	1-818-400-11	HDMI CONNECTOR	
CN9504	1-564-593-11	PLUG, CONNECTOR	14P

DIODE

REF. NO.	PART NO.	DESCRIPTION	VALUES
D9500	8-719-210-39	DIODE	EC10QS-04
D9501	6-500-294-01	DIODE	PTZ-TE25-3.9B
D9502	8-719-977-28	DIODE	DTZ10B
D9503	8-719-977-28	DIODE	DTZ10B
D9506	8-719-404-50	DIODE	MA111-TX
D9507	8-719-404-50	DIODE	MA111-TX

FERRITE BEAD

REF. NO.	PART NO.	DESCRIPTION	VALUES
FB9504	1-414-235-22	FERRITE	0μH
FB9505	1-414-235-22	FERRITE	0μH

P

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	FB9506	1-414-235-22	FERRITE	0µH		
	FB9507	1-414-235-22	FERRITE	0µH		
	FB9508	1-414-235-22	FERRITE	0µH		
	FB9509	1-414-235-22	FERRITE	0µH		
	FB9510	1-414-235-22	FERRITE	0µH		
	FB9512	1-414-235-22	FERRITE	0µH		
		FILTER				
*	FL9501	1-813-308-11	INDUCTOR	0µH		
*	FL9504	1-813-308-11	INDUCTOR	0µH		
*	FL9505	1-813-308-11	INDUCTOR	0µH		
*	FL9506	1-813-308-11	INDUCTOR	0µH		
		IC				
	IC9500	6-706-257-01	IC	FMS6418AM16X		
	IC9502	6-704-819-01	IC	CS4335-KSZR		
	IC9503	6-704-407-01	IC	PQ1CZ41H2ZPH		
	IC9504	6-704-001-01	IC	BR24L02F-WE2		
	IC9505	6-704-499-01	IC	SII9993CTG100		
	IC9506	6-703-042-01	IC	CD4052BNSR		
	IC9509	6-550-014-01	TRANSISTOR	SSM6N15FU(TE85R)		
	IC9514	8-759-331-71	IC	NJM4558E(TE2)		
	IC9517	6-804-887-01	IC	MB89P965ApFV1-G-5001E1		
	IC9521	8-759-642-22	IC	UPC29M05T-E2		
		JACK				
	J9503	1-794-623-11	JACK, PIN	2P		
		COIL				
	L9501	1-416-948-21	INDUCTOR	10µH		
	L9502	1-400-303-21	INDUCTOR	68µH		
		IC LINK				
	PS9500	1-576-415-21	FUSE	2A	32V	
		TRANSISTOR				
	Q9501	8-729-024-88	TRANSISTOR	MUN2212T1		
	Q9502	8-729-421-22	TRANSISTOR	UN2211		
	Q9503	8-729-027-62	TRANSISTOR	DTC144WKA-T146		
	Q9506	8-729-024-88	TRANSISTOR	MUN2212T1		

REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q9511	8-729-421-22	TRANSISTOR	UN2211		
Q9514	8-729-027-62	TRANSISTOR	DTC144WKA-T146		
Q9516	8-729-421-22	TRANSISTOR	UN2211		
Q9517	8-729-421-22	TRANSISTOR	UN2211		
	RESISTOR				
R9501	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9502	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9505	1-216-841-11	METAL CHIP	47K	5%	1/10W
R9506	1-216-864-11	SHORT CHIP			
R9507	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9508	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9509	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9510	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9511	1-216-803-11	METAL CHIP	33	5%	1/10W
R9512	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9513	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9514	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9515	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9516	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9517	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9518	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9519	1-216-803-11	METAL CHIP	33	5%	1/10W
R9520	1-216-816-11	METAL CHIP	390	5%	1/10W
R9526	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9528	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9529	1-216-850-11	METAL CHIP	270K	5%	1/10W
R9530	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9532	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W
R9533	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9534	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R9535	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9538	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R9539	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9541	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W
R9542	1-216-850-11	METAL CHIP	270K	5%	1/10W
R9543	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R9544	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9546	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9547	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9548	1-218-716-11	METAL CHIP	10K	0.50%	1/10W

P

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9552	1-216-817-11	METAL CHIP	470	5%	1/10W
R9555	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9557	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9558	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9559	1-216-809-11	METAL CHIP	100	5%	1/10W
R9560	1-216-864-11	SHORT CHIP			
R9562	1-216-809-11	METAL CHIP	100	5%	1/10W
R9563	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9564	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9566	1-216-864-11	SHORT CHIP			
R9569	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9572	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9574	1-216-809-11	METAL CHIP	100	5%	1/10W
R9575	1-216-809-11	METAL CHIP	100	5%	1/10W
R9576	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9577	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9580	1-216-809-11	METAL CHIP	100	5%	1/10W
R9581	1-216-809-11	METAL CHIP	100	5%	1/10W
R9582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9584	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9585	1-216-809-11	METAL CHIP	100	5%	1/10W
R9586	1-216-809-11	METAL CHIP	100	5%	1/10W
R9592	1-216-809-11	METAL CHIP	100	5%	1/10W
R9595	1-216-817-11	METAL CHIP	470	5%	1/10W
R9597	1-216-803-11	METAL CHIP	33	5%	1/10W
R9602	1-216-809-11	METAL CHIP	100	5%	1/10W
R9606	1-216-864-11	SHORT CHIP			
R9611	1-216-864-11	SHORT CHIP			
R9612	1-216-864-11	SHORT CHIP			
R9614	1-216-809-11	METAL CHIP	100	5%	1/10W
R9615	1-216-809-11	METAL CHIP	100	5%	1/10W
R9616	1-216-809-11	METAL CHIP	100	5%	1/10W
R9623	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9624	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9625	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9627	1-216-809-11	METAL CHIP	100	5%	1/10W
R9850	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9852	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R9853	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9854	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9860	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9864	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W
R9866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9868	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9869	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9882	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9884	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9885	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9886	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9887	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9888	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R9890	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9891	1-216-809-11	METAL CHIP	100	5%	1/10W

RESISTOR BRIDGE

REF. NO.	PART NO.	DESCRIPTION	VALUES
RB9500	1-234-524-21	RES, CHIP NETWORK 33	(3216)
RB9510	1-233-576-11	RES, CHIP NETWORK 100	(3216)
RB9511	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB9512	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB9517	1-236-908-11	NETWORK RESISTOR(CHIP)	10K

VARISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
VD9500	6-500-701-01	DIODE	PGB1010603NR
VD9501	6-500-701-01	DIODE	PGB1010603NR
VD9502	6-500-701-01	DIODE	PGB1010603NR
VD9503	6-500-701-01	DIODE	PGB1010603NR
VD9504	6-500-701-01	DIODE	PGB1010603NR
VD9505	6-500-701-01	DIODE	PGB1010603NR
VD9506	6-500-701-01	DIODE	PGB1010603NR
VD9507	6-500-701-01	DIODE	PGB1010603NR
VD9518	6-500-701-01	DIODE	PGB1010603NR
VD9519	6-500-701-01	DIODE	PGB1010603NR

CRYSTAL

REF. NO.	PART NO.	DESCRIPTION	VALUES
X9501	1-767-984-21	VIBRATOR, CRYSTAL	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

QH AZ

QH

REF. NO.	PART NO.	DESCRIPTION	VALUES		
*	**A-1303-030-A**	**QH BOARD, COMPLETE**			

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

AZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
*	**A-1062-012-A**	**AZ BOARD, COMPLETE**			
	(KD-36XS955 ONLY)				
*	**A-1303-034-A**	**AZ BOARD, COMPLETE**			
	(KD-34XBR960 ONLY)				
*	**A-1303-040-A**	**AZ BOARD, COMPLETE**			
	(KD-34XS955 ONLY)				
*	**A-1303-044-A**	**AZ BOARD, COMPLETE**			
	(KD-30XS955 ONLY)				

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C501	1-165-529-11	MYLAR	0.22μF	10	275V
⚠ C503	1-165-529-11	MYLAR	0.22μF	10	275V
C505	1-127-794-51	CERAMIC	2200pF	20%	250V
C508	1-127-794-51	CERAMIC	2200pF	20%	250V
⚠ C512	1-165-530-21	MYLAR	0.47μF	10	0V
C514	1-126-960-11	ELECT	1μF	20%	50V
C515	1-126-947-11	ELECT	47μF	20%	35V
C516	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	(KD-34XBR960 ONLY)				
C517	1-104-665-11	ELECT	100μF	20%	25V
	(KD-34XBR960 ONLY)				
C518	1-126-967-11	ELECT	47μF	20%	50V
	(KD-34XBR960 ONLY)				
C519	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	(KD-34XBR960 ONLY)				
C520	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	(KD-34XBR960 ONLY)				
C521	1-104-665-11	ELECT	100μF	20%	25V
	(KD-34XBR960 ONLY)				
C522	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C523	1-104-665-11	ELECT	100μF	20%	25V
	(KD-34XBR960 ONLY)				
C524	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	(KD-34XBR960 ONLY)				
C525	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	(KD-34XBR960 ONLY)				
C526	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	(KD-34XBR960 ONLY)				
C527	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	(KD-34XBR960 ONLY)				
C528	1-126-933-11	ELECT	100μF	20%	16V
C530	1-126-941-11	ELECT	470μF	20%	25V
C531	1-130-495-00	MYLAR	0.1μF	5%	50V
C533	1-130-495-00	MYLAR	0.1μF	5%	50V
C535	1-115-156-11	CERAMIC CHIP	1μF		10V
	(KD-34XBR960 ONLY)				
C536	1-126-933-11	ELECT	100μF	20%	16V
C537	1-126-941-11	ELECT	470μF	20%	25V
C538	1-165-176-11	CERAMIC CHIP	0.047μF	10%	16V
	(KD-34XBR960 ONLY)				
C540	1-126-767-11	ELECT	1000μF	20%	16V
C541	1-162-961-11	CERAMIC CHIP	330pF	10%	50V
	(KD-34XBR960 ONLY)				
C542	1-126-941-11	ELECT	470μF	20%	25V
C547	1-126-767-11	ELECT	1000μF	20%	16V
C549	1-126-960-11	ELECT	1μF	20%	50V
C550	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	(KD-34XBR960 ONLY)				
C551	1-126-960-11	ELECT	1μF	20%	50V
C553	1-126-767-11	ELECT	1000μF	20%	16V
C555	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C556	1-126-767-11	ELECT	1000μF	20%	16V
C559	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C563	1-126-947-11	ELECT	47μF	20%	35V
C565	1-115-156-11	CERAMIC CHIP	1μF		10V
C566	1-162-961-11	CERAMIC CHIP	330pF	10%	50V
C567	1-165-176-11	CERAMIC CHIP	0.047μF	10%	16V
C569	1-126-767-11	ELECT	1000μF	20%	16V
C570	1-130-495-00	MYLAR	0.1μF	5%	50V
C571	1-130-495-00	MYLAR	0.1μF	5%	50V
C578	1-126-964-11	ELECT	10μF	20%	50V
C579	1-126-964-11	ELECT	10μF	20%	50V
C580	1-126-964-11	ELECT	10μF	20%	50V
C582	1-130-495-00	MYLAR	0.1μF	5%	50V
C583	1-126-960-11	ELECT	1μF	20%	50V

AZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C584	1-126-960-11	ELECT	1μF	20%	50V
C585	1-126-960-11	ELECT	1μF	20%	50V
C586	1-130-495-00	MYLAR	0.1μF	5%	50V
C587	1-126-960-11	ELECT	1μF	20%	50V
C588	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C589	1-130-495-00	MYLAR	0.1μF	5%	50V
C590	1-126-953-11	ELECT	2200μF	20%	35V
C591	1-126-935-11	ELECT	470μF	20%	16V
C592	1-126-935-11	ELECT	470μF	20%	16V
C593	1-126-935-11	ELECT	470μF	20%	16V
C594	1-126-935-11	ELECT	470μF	20%	16V
C595	1-104-666-11	ELECT	220μF	20%	25V
C596	1-104-666-11	ELECT	220μF	20%	25V
C597	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C598	1-130-495-00	MYLAR	0.1μF	5%	50V
C599	1-126-953-11	ELECT	2200μF	20%	35V
C601	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C604	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C606	1-130-495-00	MYLAR	0.1μF	5%	50V
C607	1-130-495-00	MYLAR	0.1μF	5%	50V
C608	1-130-495-00	MYLAR	0.1μF	5%	50V
C609	1-126-942-61	ELECT	1000μF	20%	25V
C610	1-126-942-61	ELECT	1000μF	20%	25V
C611	1-130-495-00	MYLAR	0.1μF	5%	50V
C612	1-126-953-11	ELECT	2200μF	20%	35V
C613	1-126-953-11	ELECT	2200μF	20%	35V
C900	1-104-666-11	ELECT	220μF	20%	25V
C903	1-104-666-11	ELECT	220μF	20%	25V
C909	1-126-964-11	ELECT	10μF	20%	50V
C910	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C911	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C912	1-126-964-11	ELECT	10μF	20%	50V
C915	1-162-959-11	CERAMIC CHIP	330pF	5%	50V
C918	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C921	1-164-677-11	CERAMIC CHIP	0.033μF	10%	16V
C924	1-164-677-11	CERAMIC CHIP	0.033μF	10%	16V
C927	1-128-934-91	CERAMIC CHIP	0.33μF	20%	10V
C930	1-164-388-91	CERAMIC CHIP	270pF	5%	50V
C933	1-130-495-00	MYLAR	0.1μF	5%	50V
C939	1-126-933-11	ELECT	100μF	20%	16V
C942	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C945	1-126-933-11	ELECT	100μF	20%	16V
C946	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
	(ALL EXCEPT KD-30XS955)				
C6901	1-100-803-11	ELECT	220μF	20%	250V
C6902	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C6903	1-126-964-11	ELECT	10μF	20%	50V
C6904	1-126-961-11	ELECT	2.2μF	20%	50V
C6905	1-100-803-11	ELECT	220μF	20%	250V
C6906	1-126-967-11	ELECT	47μF	20%	50V
C6907	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C6908	1-136-479-11	FILM	0.001μF	5%	100V
C6909	1-136-497-81	FILM	0.1μF	5%	50V
C6911	1-126-947-11	ELECT	47μF	20%	35V
C6914	1-117-219-11	CERAMIC	68pF	5%	1KV
C6915	1-117-219-11	CERAMIC	68pF	5%	1KV
C6916	1-100-624-11	FILM	4700pF	3%	800V
C6917	1-126-968-11	ELECT	100μF	20%	50V
C6918	1-104-665-11	ELECT	100μF	20%	25V
C6919	1-126-927-11	ELECT	2200μF	20%	10V
C6920	1-128-547-11	ELECT	6800μF	20%	16V
C6922	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C6923	1-126-933-11	ELECT	100μF	20%	16V
C6925	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C6926	1-126-935-11	ELECT	470μF	20%	16V
C6929	1-126-933-11	ELECT	100μF	20%	16V
C6930	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V

CONNECTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
CN501	1-695-915-11	TAB (CONTACT)	
* CN503	1-580-843-11	PIN, CONNECTOR (POWER)	
* CN504	1-766-241-11	PIN, CONNECTOR (PC BOARD)	3P
* CN505	1-766-241-11	PIN, CONNECTOR (PC BOARD)	3P
* CN506	1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P
* CN507	1-764-812-12	CONNECTOR, BOARD TO BOARD	11P
* CN508	1-779-892-11	CONNECTOR, BOARD TO BOARD	10P
* CN509	1-779-892-11	CONNECTOR, BOARD TO BOARD	10P
CN510	1-793-494-11	CONNECTOR, BOARD TO BOARD	40P
* CN512	1-818-482-11	PIN, CONNECTOR	10P
* CN514	1-766-240-11	PIN, CONNECTOR (PC BOARD)	2P
CN515	1-695-915-11	TAB (CONTACT)	
CN516	1-695-915-11	TAB (CONTACT)	
CN517	1-695-915-11	TAB (CONTACT)	
CN518	1-695-915-11	TAB (CONTACT)	
CN519	1-695-915-11	TAB (CONTACT)	
CN520	1-695-915-11	TAB (CONTACT)	
* CN521	1-779-892-11	CONNECTOR, BOARD TO BOARD	10P

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

AZ

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
*	CN522	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE)	10P	
*	CN524	1-564-515-11	PLUG, CONNECTOR	12P	
*	CN526	1-564-508-11	PLUG, CONNECTOR	5P	
*	CN527	1-564-511-61	PLUG, CONNECTOR	8P	
*	CN531	1-818-480-11	PIN, CONNECTOR	12P	
*	CN532	1-564-508-11	PLUG, CONNECTOR	5P	
*	CN900	1-779-892-11	CONNECTOR, BOARD TO BOARD	10P	
*	CN903	1-564-506-11	PLUG, CONNECTOR	3P	
*	CN6902	1-564-509-11	PLUG, CONNECTOR	6P	

DIODE

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	D502	8-719-991-33	DIODE	1SS133T-77	
	D510	8-719-991-33	DIODE	1SS133T-77	
	D511	8-719-991-33	DIODE	1SS133T-77	
	D512	8-719-991-33	DIODE	1SS133T-77	
	D513	8-719-991-33	DIODE	1SS133T-77	
	D514	8-719-991-33	DIODE	1SS133T-77	
	D515	8-719-991-33	DIODE	1SS133T-77	
	D516	8-719-991-33	DIODE	1SS133T-77	
	D517	8-719-991-33	DIODE	1SS133T-77	
	D519	8-719-991-33	DIODE	1SS133T-77	
	D520	8-719-991-33	DIODE	1SS133T-77	
	D521	8-719-991-33	DIODE	1SS133T-77	
	D522	8-719-991-33	DIODE	1SS133T-77	
	D523	8-719-991-33	DIODE	1SS133T-77	
	D524	8-719-991-33	DIODE	1SS133T-77	
	D525	8-719-991-33	DIODE	1SS133T-77	
	D526	8-719-991-33	DIODE	1SS133T-77	
	D527	8-719-991-33	DIODE	1SS133T-77	
	D530	8-719-924-13	DIODE	MTZJ-T-77-22B	
	D531	8-719-924-13	DIODE	MTZJ-T-77-22B	
	D534	8-719-991-33	DIODE	1SS133T-77	
	D535	8-719-991-33	DIODE	1SS133T-77	
	D540	8-719-991-33	DIODE	1SS133T-77	
	D541	8-719-991-33	DIODE	1SS133T-77	
	D548	8-719-991-33	DIODE	1SS133T-77	
	D900	8-719-110-31	DIODE	RD12ESB2	
	D903	8-719-110-31	DIODE	RD12ESB2	
	D905	8-719-991-33 (ALL EXCEPT KD-30XS955)	DIODE	1SS133T-77	
	D6901	8-719-083-78	DIODE	10ERA60-TP	
	D6902	8-719-082-03	DIODE	MM3Z15VT1	
	D6903	8-719-082-03	DIODE	MM3Z15VT1	
	D6904	8-719-082-03	DIODE	MM3Z15VT1	
	D6905	8-719-082-03	DIODE	MM3Z15VT1	
	D6907	6-500-567-21	DIODE	10ERB20-TB5	
	D6908	8-719-063-70	DIODE	D1NL20U	
	D6909	8-719-022-97	DIODE	D2S4μF	
	D6910	8-719-060-89	DIODE	D4SBS6-F	
	D6911	8-719-052-90	DIODE	D1NL40-TA2	
	D6913	8-719-068-71	DIODE	PTZ-TE25-13A	
	D6914	8-719-082-03	DIODE	MM3Z15VT1	
	D6915	8-719-077-76	DIODE	D2SB60A-F04	
	D6916	8-719-052-90	DIODE	D1NL40-TA2	

FUSE

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
⚠	F501	1-532-506-51	FUSE	6.3A	250V

FERRITE BEAD

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	FB500	1-412-911-11	FERRITE	0μH	
	FB502	1-412-911-11	FERRITE	0μH	
	FB6900	1-412-911-11	FERRITE	0μH	

FUSE HOLDER

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
⚠	FH501	1-533-223-11	FUSE HOLDER	0A	0V
⚠	FH502	1-533-223-11	FUSE HOLDER	0A	0V

SPARK ELEMENT

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	GD501	1-576-487-11	ELEMENT, SPARK		
	GD502	1-576-487-11	ELEMENT, SPARK		

IC

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	IC501	6-704-053-01	IC	L4931CZ50-AP	
	IC502	8-759-520-49	IC	PQ30RV21	
	IC504	6-700-898-01	IC	PQ05RD21	
	IC505	8-759-653-07	IC	PQ09RD21	
	IC508	8-759-246-70	IC	TA8216H	
	IC509	8-759-246-70	IC	TA8216H	
	IC900	8-749-016-08	IC	STK390-910	
	IC903	8-759-595-52	IC	CXA8070AP	
	IC904	8-759-700-07 (ALL EXCEPT KD-30XS955)	IC	NJM2903M	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

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AZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
IC6900	6-705-810-01	IC	MCZ3001DB		
IC6901	8-759-586-17	IC	TL1431CZ-AP		
IC6902	8-759-470-65	IC	PQ05RD1B		
	CHIP CONDUCTOR				
JR501	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
JR502	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
JR509	1-216-864-11	SHORT CHIP			
JR510	1-216-864-11	SHORT CHIP			
JR511	1-216-864-11	SHORT CHIP			
JR512	1-216-864-11	SHORT CHIP			
JR513	1-216-864-11	SHORT CHIP			
JR514	1-216-864-11	SHORT CHIP			
JR515	1-216-864-11	SHORT CHIP			
JR516	1-216-864-11	SHORT CHIP			
JR601	1-216-864-11	SHORT CHIP			
	JUMPER WIRE				
JW748	1-260-310-51	CARBON	33	5%	1/2W
JW6901	1-412-911-11	FERRITE	0µH		
	COIL				
L501	1-469-320-21	INDUCTOR	100µH		
	(KD-34XBR960 ONLY)				
L502	1-412-525-31	INDUCTOR	10µH		
L503	1-469-320-21	INDUCTOR	100µH		
	(KD-34XBR960 ONLY)				
L504	1-469-317-21	INDUCTOR	10µH		
	(KD-34XBR960 ONLY)				
L508	1-412-529-11	INDUCTOR	22µH		
⚠ L510	1-433-404-21	TRANSFORMER, LINE FILTER			
⚠ L511	1-433-404-21	TRANSFORMER, LINE FILTER			
L900	1-408-612-31	INDUCTOR	56µH		
L6902	1-412-525-31	INDUCTOR	10µH		
L6903	1-406-659-11	INDUCTOR	10µH		
	PHOTO COUPLER				
PH6900	8-749-016-81	PHOTO COUPLER	PC123Y22		

REF. NO.	PART NO.	DESCRIPTION	VALUES	
	IC LINK			
PS501	1-532-984-11	IC LINK	2A	50V
PS502	1-532-984-11	IC LINK	2A	50V
PS900	1-532-637-00	IC LINK	1A	50V
PS901	1-532-637-00	IC LINK	1A	50V
	TRANSISTOR			
Q501	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q504	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
	(KD-34XBR960 ONLY)			
Q505	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
Q506	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
	(KD-34XBR960 ONLY)			
Q507	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q508	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
Q509	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q510	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
Q511	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q512	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
Q513	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q515	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q516	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q517	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q518	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q519	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q520	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q521	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q522	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q528	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q903	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q904	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q905	8-729-422-27	TRANSISTOR	2SD601A-Q	
	(ALL EXCEPT KD-30XS955)			
Q906	8-729-422-27	TRANSISTOR	2SD601A-Q	
	(ALL EXCEPT KD-30XS955)			
Q6900	8-729-052-29	TRANSISTOR	2SK2876-01MR-F122	
Q6901	8-729-052-29	TRANSISTOR	2SK2876-01MR-F122	
Q6902	6-550-087-01	TRANSISTOR	RK9410TB	
Q6903	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
Q6904	8-729-422-27	TRANSISTOR	2SD601A-Q	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

AZ

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
		RESISTOR				
	R501	1-216-864-11	SHORT CHIP			
	R504	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R508	1-219-512-11	METAL	2.2M	5%	1/2W
⚠	R509	1-244-270-11	CEMENTED	0.47	5%	20W
⚠	R510	1-244-270-11	CEMENTED	0.47	5%	20W
	R517	1-216-805-11	METAL CHIP	47	5%	1/10W
		(KD-34XBR960 ONLY)				
	R518	1-216-805-11	METAL CHIP	47	5%	1/10W
		(KD-34XBR960 ONLY)				
	R519	1-216-839-11	METAL CHIP	33K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R520	1-216-837-11	METAL CHIP	22K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R525	1-216-833-11	METAL CHIP	10K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R527	1-216-341-11	METAL OXIDE	0.22	5%	1W
	R528	1-216-833-11	METAL CHIP	10K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R529	1-216-857-11	METAL CHIP	1M	5%	1/10W
		(KD-34XBR960 ONLY)				
	R530	1-216-847-11	METAL CHIP	150K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R531	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R533	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R534	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	R535	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	R536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R537	1-218-750-11	METAL CHIP	270K	0.50%	1/10W
	R538	1-216-847-11	METAL CHIP	150K	5%	1/10W
		(KD-34XBR960 ONLY)				
	R539	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R540	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R542	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R544	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R548	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R550	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R551	1-216-833-11	METAL CHIP	10K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R552	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R553	1-216-821-11	METAL CHIP	1K	5%	1/10W
R554	1-216-864-11	SHORT CHIP			
R555	1-216-833-11	METAL CHIP	10K	5%	1/10W
R556	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R557	1-216-821-11	METAL CHIP	1K	5%	1/10W
R558	1-216-857-11	METAL CHIP	1M	5%	1/10W
R559	1-216-847-11	METAL CHIP	150K	5%	1/10W
R560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R561	1-216-833-11	METAL CHIP	10K	5%	1/10W
R563	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R564	1-216-847-11	METAL CHIP	150K	5%	1/10W
	(KD-34XBR960 ONLY)				
R566	1-216-864-11	SHORT CHIP			
R567	1-216-864-11	SHORT CHIP			
R568	1-216-864-11	SHORT CHIP			
R569	1-216-864-11	SHORT CHIP			
R575	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R576	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R577	1-216-821-11	METAL CHIP	1K	5%	1/10W
R578	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R579	1-216-821-11	METAL CHIP	1K	5%	1/10W
R580	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R584	1-216-813-11	METAL CHIP	220	5%	1/10W
R585	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R586	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R587	1-216-833-11	METAL CHIP	10K	5%	1/10W
R588	1-216-833-11	METAL CHIP	10K	5%	1/10W
R589	1-216-833-11	METAL CHIP	10K	5%	1/10W
R590	1-216-813-11	METAL CHIP	220	5%	1/10W
R591	1-216-821-11	METAL CHIP	1K	5%	1/10W
R592	1-216-833-11	METAL CHIP	10K	5%	1/10W
R595	1-216-813-11	METAL CHIP	220	5%	1/10W
R596	1-216-833-11	METAL CHIP	10K	5%	1/10W
R598	1-216-833-11	METAL CHIP	10K	5%	1/10W
R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R600	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R601	1-216-813-11	METAL CHIP	220	5%	1/10W
R602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R603	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R604	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R615	1-249-385-11	CARBON	2.2	5%	1/4W

AZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R617	1-249-385-11	CARBON	2.2	5%	1/4W
R619	1-249-385-11	CARBON	2.2	5%	1/4W
R622	1-249-385-11	CARBON	2.2	5%	1/4W
R628	1-249-429-11	CARBON	10K	5%	1/4W
R629	1-249-429-11	CARBON	10K	5%	1/4W
R631	1-249-429-11	CARBON	10K	5%	1/4W
R632	1-249-429-11	CARBON	10K	5%	1/4W
R643	1-216-864-11	SHORT CHIP			
R646	1-216-864-11	SHORT CHIP			
R650	1-216-809-11	METAL CHIP	100	5%	1/10W
R651	1-216-817-11	METAL CHIP	470	5%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W
R653	1-216-809-11	METAL CHIP	100	5%	1/10W
R655	1-216-820-11	METAL CHIP	820	5%	1/10W
R656	1-216-805-11	METAL CHIP	47	5%	1/10W
R657	1-216-864-11	SHORT CHIP			
R660	1-216-805-11	METAL CHIP	47	5%	1/10W
R661	1-216-864-11	SHORT CHIP			
R662	1-218-285-11	METAL CHIP	75	5%	1/10W
R663	1-218-285-11	METAL CHIP	75	5%	1/10W
R664	1-218-285-11	METAL CHIP	75	5%	1/10W
R900	1-216-864-11	SHORT CHIP			
R909	1-216-843-11	METAL CHIP	68K	5%	1/10W
R910	1-216-833-11	METAL CHIP	10K	5%	1/10W
R911	1-216-833-11	METAL CHIP	10K	5%	1/10W
R912	1-216-385-11	METAL OXIDE	0.47	5%	3W
R913	1-216-845-11	METAL CHIP	100K	5%	1/10W
R915	1-215-886-11	METAL OXIDE	100	5%	2W
R918	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R920	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R921	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R922	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R927	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R930	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R933	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R939	1-216-805-11	METAL CHIP	47	5%	1/10W
R942	1-216-429-00	METAL OXIDE	270	5%	1W
R945	1-216-805-11	METAL CHIP	47	5%	1/10W
R948	1-216-833-11	METAL CHIP	10K	5%	1/10W
R949	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R950	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R951	1-216-833-11	METAL CHIP	10K	5%	1/10W
R954	1-216-821-11	METAL CHIP	1K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R961	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R962	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R963	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R963	1-216-864-11	SHORT CHIP			
	(KD-30XS955 ONLY)				
R964	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R965	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R966	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R967	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(ALL EXCEPT KD-30XS955)				
R968	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(ALL EXCEPT KD-30XS955)				
R6902	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
R6903	1-218-837-11	METAL CHIP	390	0.50%	1/10W
R6904	1-245-478-21	METAL	470K	1%	1/4W
R6905	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
R6907	1-245-478-21	METAL	470K	1%	1/4W
R6908	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R6909	1-249-417-11	CARBON	1K	5%	1/4W
R6910	1-249-393-11	CARBON	10	5%	1/4W
R6911	1-249-393-11	CARBON	10	5%	1/4W
R6912	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6913	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6916	1-216-817-11	METAL CHIP	470	5%	1/10W
R6917	1-216-864-11	SHORT CHIP			
R6918	1-220-926-81	FUSIBLE	0.47	10%	1/2W
R6919	1-244-207-11	WIREWOUND	3.3	5%	10W
R6920	1-216-362-21	METAL OXIDE	0.27	5%	2W
R6921	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6922	1-249-393-11	CARBON	10	5%	1/4W
R6923	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6924	1-216-864-11	SHORT CHIP			
R6926	1-260-131-11	CARBON	470K	5%	1/2W
R6927	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6928	1-260-131-11	CARBON	470K	5%	1/2W
R6930	1-260-324-11	CARBON	470	5%	1/2W
R6931	1-218-877-11	METAL CHIP	18K	0.50%	1/10W

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

AZ BY

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R6932	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R6933	1-260-322-11	CARBON	330	5%	1/2W
	R6937	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R6938	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R6939	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R6940	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R6941	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R6942	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R6943	1-216-841-11	METAL CHIP	47K	5%	1/10W
	R6944	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R6945	1-216-864-11	SHORT CHIP			
	R6946	1-216-864-11	SHORT CHIP			
	R6947	1-216-864-11	SHORT CHIP			

RELAY

	REF. NO.	PART NO.	DESCRIPTION
⚠	RY501	1-755-389-11	RELAY (AC POWER)

TRANSFORMER

REF. NO.	PART NO.	DESCRIPTION
T6900	1-439-879-11	TRANSFORMER, CONVERTER (PIT)

TRANSFORMER

	REF. NO.	PART NO.	DESCRIPTION
⚠	TH501	1-803-970-11	THERMISTOR, POSITIVE

TUNER

REF. NO.	PART NO.	DESCRIPTION
TU501	8-598-594-30	TUNER, FSS BTF-FA421
	(KD-34XBR960 ONLY)	

VARISTOR

	REF. NO.	PART NO.	DESCRIPTION
⚠	VD501	1-804-992-21	VARISTOR

BY

* A-1303-035-A **BY BOARD, COMPLETE**
(KD-34XBR960 ONLY)

* A-1303-041-A **BY BOARD, COMPLETE**
(ALL EXCEPT KD-34XBR960)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2801	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2802	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2804	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C2805	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2806	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2808	1-128-996-11	ELECT CHIP	4.7µF	20%	50V
C2809	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2810	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2811	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2812	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2813	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2814	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2815	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2816	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2817	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2818	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C2819	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2820	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2821	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2822	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2823	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2824	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2825	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C2826	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2827	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2828	1-110-563-11	CERAMIC CHIP	0.068µF	10%	16V
C2829	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2830	1-128-996-11	ELECT CHIP	4.7µF	20%	50V
C2831	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2833	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2834	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2835	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2836	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2837	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2840	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2841	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2842	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2843	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2844	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2845	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2846	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2847	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2849	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2850	1-117-681-11	ELECT CHIP	100µF	20%	16V
C2851	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3005	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3006	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3008	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3009	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3011	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3012	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3013	1-128-391-11	ELECT CHIP	330µF	20%	6.3V
C3014	1-128-391-11	ELECT CHIP	330µF	20%	6.3V
C3015	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3016	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3017	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C3018	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3019	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3020	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3021	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3023	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C3024	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C3025	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3027	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3028	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3029	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3030	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3031	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3032	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3033	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
C3034	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3035	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3036	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3037	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3038	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3040	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3042	1-128-391-11	ELECT CHIP	330µF	20%	6.3V
C3044	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3046	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3047	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3048	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3049	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3089	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3090	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3095	1-137-897-21	ELECT CHIP	150µF	20%	4V
C3096	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3097	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3098	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3101	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
C3102	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
C3103	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3301	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3302	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3303	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3304	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3305	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3307	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3308	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3309	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3313	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3314	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3315	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3316	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3317	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3318	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3319	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3325	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3326	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3329	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3333	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3334	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3335	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3337	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3341	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3343	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3349	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3350	1-164-156-11	CERAMIC CHIP	0.1µF		25V

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C3351	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3357	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3358	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3359	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3360	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3363	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3364	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3365	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3366	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3367	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3368	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3369	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3370	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3371	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3372	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3374	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3375	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V
C3376	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3377	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3378	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3379	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3401	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3402	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3403	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3404	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3405	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3406	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3407	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3408	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3409	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3410	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3411	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3412	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3413	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3414	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3417	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3418	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3424	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3426	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3428	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3431	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3435	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3436	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3439	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3440	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C3441	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C3442	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3444	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3446	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3449	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3450	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3452	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3460	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C3462	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3463	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3464	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3465	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3466	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3467	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3468	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3469	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3470	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3473	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3474	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3475	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3476	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3477	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3478	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3479	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3480	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3481	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3482	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3483	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3484	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C3485	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3486	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3487	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3488	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3489	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3490	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3491	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3492	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3493	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3494	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3495	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3496	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3499	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3500	1-126-206-11	ELECT CHIP	100µF	20%	6.3V

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C3501	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3613	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3614	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3615	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3617	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3618	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V
C3619	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3622	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3623	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3624	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3906	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3912	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C8601	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8602	1-127-692-11	CERAMIC CHIP	10µF	10%	16V
C8603	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8604	1-127-692-11	CERAMIC CHIP	10µF	10%	16V
C8605	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8606	1-127-692-11	CERAMIC CHIP	10µF	10%	16V
C8607	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8608	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C8609	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C8610	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C8611	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C8612	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8613	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8615	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8617	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8621	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8622	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8623	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8624	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8625	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8630	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8631	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8632	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8633	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8634	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C8635	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C8636	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8637	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8638	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C8639	1-126-204-11	ELECT CHIP	47µF	20%	16V
C8640	1-117-370-11	CERAMIC CHIP	10µF		10V
C8641	1-117-370-11	CERAMIC CHIP	10µF		10V
C8642	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8643	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8644	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8645	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8646	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8647	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8648	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8649	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8650	1-126-204-11	ELECT CHIP	47µF	20%	16V
C8651	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8652	1-126-205-11	ELECT CHIP	47µF	20%	6.3V
C8653	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8654	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C8655	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8656	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8657	1-164-156-11	CERAMIC CHIP	0.1µF		25V

CONNECTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
* CN2803	1-564-509-11	PLUG, CONNECTOR	6P
* CN2805	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE)	11P

DIODE

REF. NO.	PART NO.	DESCRIPTION	VALUES
D2803	8-719-404-50	DIODE	MA111-TX
D2806	8-719-069-55	DIODE	UDZSTE-175.6B
D3001	8-719-404-50	DIODE	MA111-TX
D3002	8-719-083-58	DIODE	UDZSTE-173.9B
D3089	8-719-800-76	DIODE	1SS226
D3090	8-719-800-76	DIODE	1SS226
D3309	8-719-914-43 (KD-34XBR960 ONLY)	DIODE	DAN202K
D3310	8-719-914-44 (KD-34XBR960 ONLY)	DIODE	DAP202K
D3401	8-719-914-43	DIODE	DAN202K
D3402	8-719-914-44	DIODE	DAP202K
D3403	8-719-978-33	DIODE	DTZ-TT11-6.8B
D3404	8-719-404-50	DIODE	MA111-TX

FERRITE BEAD

REF. NO.	PART NO.	DESCRIPTION	VALUES
FB3001	1-500-451-11	FERRITE	0µH
FB3002	1-216-864-11	SHORT CHIP	
FB3301	1-414-235-22 (KD-34XBR960 ONLY)	FERRITE	0µH

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
FB3302	1-414-235-22	FERRITE	0µH		
	(KD-34XBR960 ONLY)				
FB3303	1-216-809-11	METAL CHIP	100	5%	1/10W
FB3304	1-469-110-21	FERRITE	0µH		
FB3401	1-414-235-22	FERRITE	0µH		
FB3402	1-414-235-22	FERRITE	0µH		
FB3403	1-216-864-11	SHORT CHIP			

FILTER

REF. NO.	PART NO.	DESCRIPTION	VALUES
FL3001	1-234-177-21	FERRITE	0µH
FL3002	1-234-177-21	FERRITE	0µH
FL3301	1-234-558-21	FILTER, LOW PASS	
FL3302	1-234-557-21	FILTER, LOW PASS	
FL3303	1-234-557-21	FILTER, LOW PASS	
FL3401	1-781-923-21	FILTER, LOW PASS (SMD)	
FL8601	1-234-559-21	FILTER, LOW PASS	
FL8602	1-234-559-21	FILTER, LOW PASS	
FL8603	1-234-560-21	FILTER, LOW PASS	

IC

REF. NO.	PART NO.	DESCRIPTION	VALUES
IC2801	8-752-102-68	IC	CXA2170Q
IC3002	8-759-583-47	IC	UPC2933T-E2
IC3003	6-701-892-01	IC	TC90A90F(BH,DRY)
IC3004	8-759-642-22	IC	UPC29M05T-E2
IC3089	6-704-573-01	IC	M24C32-WMN6T(B)
IC3090	6-801-376-01	IC	MB94918RpF-G-147-BND
IC3091	8-759-352-91	IC	PST9143NL
IC3301	8-759-663-74	IC	HY57V161610DTC-7TR
IC3302	6-700-398-01	IC	UPC2918T-E1
IC3303	8-752-410-57	IC	CXD2097Q
	(KD-34XBR960 ONLY)		
IC3303	8-752-409-78	IC	CXD2095AQ
	(ALL EXCEPT KD-34XBR960)		
IC3306	8-759-669-78	IC	TLC2933IPWR-12
IC3401	6-700-399-01	IC	UPC2925T-E1
IC3402	6-702-318-01	IC	W986432DH-6
IC3403	8-759-460-29	IC	PST9120NL
IC3408	8-759-672-57	IC	CXD9509AQ
IC3409	8-759-833-72	IC	NJM2870F25-TE2
IC3410	8-752-409-20	IC	CXD2309AQ
IC3411	8-759-082-57	IC	TC7W04FU
IC3413	8-759-549-07	IC	SN74LV157APWR
IC3414	8-759-548-56	IC	M52055FP
IC3606	8-759-641-26	IC	NJM2391DL1-33(TE1)
IC3608	8-759-669-75	IC	TLC2932IPWR
IC8601	8-752-093-03	IC	CXA3506R

COIL

REF. NO.	PART NO.	DESCRIPTION	VALUES
L2801	1-469-555-21	INDUCTOR	10µH
L2803	1-469-555-21	INDUCTOR	10µH
L2804	1-469-555-21	INDUCTOR	10µH
L2805	1-469-555-21	INDUCTOR	10µH
L2806	1-469-555-21	INDUCTOR	10µH
L2807	1-469-555-21	INDUCTOR	10µH
L2811	1-469-555-21	INDUCTOR	10µH
L3001	1-216-295-91	SHORT CHIP	
L3004	1-412-026-11	INDUCTOR	1µH
L3005	1-412-026-11	INDUCTOR	1µH
L3007	1-469-555-21	INDUCTOR	10µH
L3009	1-469-555-21	INDUCTOR	10µH
L3010	1-469-555-21	INDUCTOR	10µH
L3011	1-469-555-21	INDUCTOR	10µH
L3089	1-414-233-22	FERRITE	0µH
L3102	1-469-552-21	INDUCTOR	3.3µH
L3304	1-469-555-21	INDUCTOR	10µH
L3310	1-469-561-21	INDUCTOR	100µH
L3311	1-469-561-21	INDUCTOR	100µH
L3402	1-412-052-21	INDUCTOR	1µH
L3405	1-469-555-21	INDUCTOR	10µH
L3406	1-469-555-21	INDUCTOR	10µH
L3407	1-469-555-21	INDUCTOR	10µH
L3411	1-412-058-11	INDUCTOR	10µH
L3412	1-469-555-21	INDUCTOR	10µH
L3413	1-469-555-21	INDUCTOR	10µH
L3414	1-469-555-21	INDUCTOR	10µH
L3416	1-469-555-21	INDUCTOR	10µH
L3418	1-469-555-21	INDUCTOR	10µH
L3903	1-412-052-21	INDUCTOR	1µH
L8601	1-469-555-21	INDUCTOR	10µH
L8602	1-469-553-21	INDUCTOR	4.7µH
L8603	1-469-555-21	INDUCTOR	10µH
L8604	1-469-555-21	INDUCTOR	10µH

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	TRANSISTOR				
Q2801	8-729-122-63	TRANSISTOR	2SA1226-E4		
Q2802	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q2803	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q2804	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q2805	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q2806	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q2807	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q2811	8-729-122-63	TRANSISTOR	2SA1226-E4		
Q2812	8-729-122-63	TRANSISTOR	2SA1226-E4		
Q2813	8-729-122-63	TRANSISTOR	2SA1226-E4		
Q2818	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q2822	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q2823	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3003	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3005	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3006	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3007	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3008	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3009	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3089	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3090	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3092	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3093	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3302	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3303	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3305	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3306	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3307	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3308	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3309	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3310	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3311	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3401	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3402	8-729-028-28	TRANSISTOR	2SK2036(TE85L)		
Q3404	8-729-028-28	TRANSISTOR	2SK2036(TE85L)		
Q3410	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3411	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3412	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3413	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3414	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3415	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q3416	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3906	8-729-028-28	TRANSISTOR	2SK2036(TE85L)		
	(KD-34XBR960 ONLY)				
Q3907	8-729-028-28	TRANSISTOR	2SK2036(TE85L)		
	(KD-34XBR960 ONLY)				
Q8601	8-729-102-07	TRANSISTOR	2SC2223-F13		
Q8602	8-729-102-07	TRANSISTOR	2SC2223-F13		
Q8603	8-729-102-07	TRANSISTOR	2SC2223-F13		
Q8604	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q8605	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q8606	8-729-122-63	TRANSISTOR	2SA1226-E4		
Q8607	8-729-122-63	TRANSISTOR	2SA1226-E4		
Q8608	8-729-122-63	TRANSISTOR	2SA1226-E4		
Q8609	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
	RESISTOR				
R2801	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R2803	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2804	1-216-805-11	METAL CHIP	47	5%	1/10W
R2805	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2806	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
R2807	1-216-809-11	METAL CHIP	100	5%	1/10W
R2808	1-216-834-11	METAL CHIP	12K	5%	1/10W
R2809	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2810	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2811	1-216-809-11	METAL CHIP	100	5%	1/10W
R2812	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R2813	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2815	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2816	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2817	1-216-809-11	METAL CHIP	100	5%	1/10W
R2818	1-216-809-11	METAL CHIP	100	5%	1/10W
R2819	1-216-809-11	METAL CHIP	100	5%	1/10W
R2820	1-216-809-11	METAL CHIP	100	5%	1/10W
R2821	1-216-809-11	METAL CHIP	100	5%	1/10W
R2823	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2824	1-216-809-11	METAL CHIP	100	5%	1/10W
R2825	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2826	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R2827	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2828	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2829	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2830	1-216-818-11	METAL CHIP	560	5%	1/10W
R2831	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2832	1-216-809-11	METAL CHIP	100	5%	1/10W
R2833	1-216-809-11	METAL CHIP	100	5%	1/10W
R2834	1-216-809-11	METAL CHIP	100	5%	1/10W
R2835	1-216-809-11	METAL CHIP	100	5%	1/10W
R2836	1-216-809-11	METAL CHIP	100	5%	1/10W
R2837	1-216-809-11	METAL CHIP	100	5%	1/10W
R2838	1-216-809-11	METAL CHIP	100	5%	1/10W
R2839	1-216-809-11	METAL CHIP	100	5%	1/10W
R2840	1-216-809-11	METAL CHIP	100	5%	1/10W
R2841	1-216-809-11	METAL CHIP	100	5%	1/10W
R2842	1-216-809-11	METAL CHIP	100	5%	1/10W
R2843	1-216-809-11	METAL CHIP	100	5%	1/10W
R2844	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2845	1-216-809-11	METAL CHIP	100	5%	1/10W
R2846	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2847	1-216-809-11	METAL CHIP	100	5%	1/10W
R2848	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2849	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2850	1-216-809-11	METAL CHIP	100	5%	1/10W
R2851	1-216-815-11	METAL CHIP	330	5%	1/10W
R2853	1-216-864-11	SHORT CHIP			
R2854	1-216-864-11	SHORT CHIP			
R2858	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R2860	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2861	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2862	1-216-809-11	METAL CHIP	100	5%	1/10W
R2865	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2866	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2867	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2868	1-216-809-11	METAL CHIP	100	5%	1/10W
R2869	1-216-809-11	METAL CHIP	100	5%	1/10W
R2870	1-216-809-11	METAL CHIP	100	5%	1/10W
R2880	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2881	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2883	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2884	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2885	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2886	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2887	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2889	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2890	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2891	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2892	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2893	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2894	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2895	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2896	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2897	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2898	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2899	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R2900	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2901	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2902	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2907	1-218-656-11	METAL CHIP	33	0.50%	1/10W
R2908	1-218-656-11	METAL CHIP	33	0.50%	1/10W
R2909	1-218-656-11	METAL CHIP	33	0.50%	1/10W
R2911	1-216-864-11	SHORT CHIP			
R2913	1-216-864-11	SHORT CHIP			
R2919	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R2920	1-216-864-11	SHORT CHIP			
R2921	1-216-864-11	SHORT CHIP			
R2922	1-216-864-11	SHORT CHIP			
R3002	1-216-864-11	SHORT CHIP			
R3004	1-216-864-11	SHORT CHIP			
R3013	1-216-809-11	METAL CHIP	100	5%	1/10W
R3014	1-216-809-11	METAL CHIP	100	5%	1/10W
R3015	1-216-809-11	METAL CHIP	100	5%	1/10W
R3017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3020	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3021	1-216-809-11	METAL CHIP	100	5%	1/10W
R3022	1-216-809-11	METAL CHIP	100	5%	1/10W
R3023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3025	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3030	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3031	1-216-809-11	METAL CHIP	100	5%	1/10W
R3035	1-216-809-11	METAL CHIP	100	5%	1/10W
R3036	1-216-809-11	METAL CHIP	100	5%	1/10W
R3037	1-216-809-11	METAL CHIP	100	5%	1/10W
R3038	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R3039	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R3040	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R3043	1-216-864-11	SHORT CHIP			
R3045	1-216-809-11	METAL CHIP	100	5%	1/10W
R3047	1-216-864-11	SHORT CHIP			
R3049	1-216-859-11	METAL CHIP	1.5M	5%	1/10W
R3050	1-216-833-11	METAL CHIP	10K	5%	1/10W

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3051	1-216-864-11	SHORT CHIP			
R3063	1-216-864-11	SHORT CHIP			
R3064	1-216-864-11	SHORT CHIP			
R3066	1-216-809-11	METAL CHIP	100	5%	1/10W
R3068	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3069	1-216-820-11	METAL CHIP	820	5%	1/10W
R3070	1-216-864-11	SHORT CHIP			
R3071	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3072	1-216-855-11	METAL CHIP	680K	5%	1/10W
R3073	1-216-855-11	METAL CHIP	680K	5%	1/10W
R3074	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R3075	1-216-801-11	METAL CHIP	22	5%	1/10W
R3076	1-216-864-11	SHORT CHIP			
R3077	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3078	1-216-815-11	METAL CHIP	330	5%	1/10W
R3079	1-216-815-11	METAL CHIP	330	5%	1/10W
R3089	1-216-864-11	SHORT CHIP			
R3091	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3092	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3093	1-216-864-11	SHORT CHIP			
R3095	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3096	1-216-817-11	METAL CHIP	470	5%	1/10W
R3097	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3098	1-216-805-11	METAL CHIP	47	5%	1/10W
R3099	1-216-805-11	METAL CHIP	47	5%	1/10W
R3100	1-216-809-11	METAL CHIP	100	5%	1/10W
	(ALL EXCEPT KD-34XBR960)				
R3101	1-216-809-11	METAL CHIP	100	5%	1/10W
	(ALL EXCEPT KD-34XBR960)				
R3102	1-216-809-11	METAL CHIP	100	5%	1/10W
R3103	1-216-809-11	METAL CHIP	100	5%	1/10W
R3104	1-216-809-11	METAL CHIP	100	5%	1/10W
R3105	1-216-809-11	METAL CHIP	100	5%	1/10W
R3107	1-216-864-11	SHORT CHIP			
R3108	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3110	1-216-809-11	METAL CHIP	100	5%	1/10W
R3111	1-216-809-11	METAL CHIP	100	5%	1/10W
R3116	1-216-797-11	METAL CHIP	10	5%	1/10W
R3117	1-216-797-11	METAL CHIP	10	5%	1/10W
R3302	1-216-817-11	METAL CHIP	470	5%	1/10W
R3303	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R3304	1-216-809-11	METAL CHIP	100	5%	1/10W
R3323	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	(ALL EXCEPT KD-34XBR960)				
R3324	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
	(ALL EXCEPT KD-34XBR960)				
R3325	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
R3325	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
	(ALL EXCEPT KD-34XBR960)				
R3326	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	(ALL EXCEPT KD-34XBR960)				
R3335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3341	1-216-813-11	METAL CHIP	220	5%	1/10W
R3342	1-218-705-11	METAL CHIP	3.6K	0.50%	1/10W
R3343	1-216-809-11	METAL CHIP	100	5%	1/10W
R3344	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3345	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R3346	1-216-809-11	METAL CHIP	100	5%	1/10W
R3347	1-216-815-11	METAL CHIP	330	5%	1/10W
R3348	1-216-864-11	SHORT CHIP			
R3349	1-218-687-11	METAL CHIP	620	0.50%	1/10W
R3350	1-216-814-11	METAL CHIP	270	5%	1/10W
R3351	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3352	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3353	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3354	1-216-813-11	METAL CHIP	220	5%	1/10W
R3355	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3357	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R3358	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R3359	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R3360	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3364	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3366	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3365	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3367	1-216-805-11	METAL CHIP	47	5%	1/10W
R3368	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
R3369	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3371	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R3372	1-216-817-11	METAL CHIP	470	5%	1/10W
R3373	1-216-817-11	METAL CHIP	470	5%	1/10W
R3374	1-216-809-11	METAL CHIP	100	5%	1/10W

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3375	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R3376	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R3377	1-216-817-11	METAL CHIP	470	5%	1/10W
R3378	1-216-817-11	METAL CHIP	470	5%	1/10W
R3379	1-216-809-11	METAL CHIP	100	5%	1/10W
R3380	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R3381	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R3382	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3383	1-216-817-11	METAL CHIP	470	5%	1/10W
R3384	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3385	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3386	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3387	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3388	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3389	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3390	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3391	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3392	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3393	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3394	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3395	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
R3396	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
R3400	1-216-864-11	SHORT CHIP			
R3401	1-216-864-11	SHORT CHIP			
R3406	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3407	1-216-864-11	SHORT CHIP			
R3409	1-216-864-11	SHORT CHIP			
R3410	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3411	1-216-797-11	METAL CHIP	10	5%	1/10W
R3421	1-216-864-11	SHORT CHIP			

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3422	1-216-864-11	SHORT CHIP			
R3428	1-469-094-21	FERRITE	0μH		
R3435	1-216-809-11	METAL CHIP	100	5%	1/10W
R3436	1-216-809-11	METAL CHIP	100	5%	1/10W
R3437	1-216-809-11	METAL CHIP	100	5%	1/10W
R3438	1-216-809-11	METAL CHIP	100	5%	1/10W
R3439	1-216-809-11	METAL CHIP	100	5%	1/10W
R3440	1-216-809-11	METAL CHIP	100	5%	1/10W
R3441	1-216-809-11	METAL CHIP	100	5%	1/10W
R3442	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3445	1-216-864-11	SHORT CHIP			
R3451	1-216-809-11	METAL CHIP	100	5%	1/10W
R3452	1-216-864-11	SHORT CHIP			
R3454	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3457	1-216-813-11	METAL CHIP	220	5%	1/10W
R3460	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3461	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3466	1-216-813-11	METAL CHIP	220	5%	1/10W
R3468	1-216-864-11	SHORT CHIP			
R3469	1-216-864-11	SHORT CHIP			
R3470	1-216-809-11	METAL CHIP	100	5%	1/10W
R3473	1-216-864-11	SHORT CHIP			
R3475	1-216-809-11	METAL CHIP	100	5%	1/10W
R3480	1-216-809-11	METAL CHIP	100	5%	1/10W
R3489	1-216-864-11	SHORT CHIP			
R3490	1-216-864-11	SHORT CHIP			
R3494	1-216-813-11	METAL CHIP	220	5%	1/10W
R3497	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3498	1-216-818-11	METAL CHIP	560	5%	1/10W
R3507	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3508	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3509	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3511	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3533	1-216-809-11	METAL CHIP	100	5%	1/10W
R3534	1-216-809-11	METAL CHIP	100	5%	1/10W
R3535	1-216-809-11	METAL CHIP	100	5%	1/10W
R3536	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3537	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3538	1-216-864-11	SHORT CHIP			
R3539	1-216-864-11	SHORT CHIP			
R3540	1-216-864-11	SHORT CHIP			
R3541	1-216-864-11	SHORT CHIP			

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3542	1-216-864-11	SHORT CHIP			
R3575	1-216-864-11	SHORT CHIP			
R3800	1-216-864-11	SHORT CHIP			
R3811	1-216-809-11	METAL CHIP	100	5%	1/10W
R3812	1-216-809-11	METAL CHIP	100	5%	1/10W
R3813	1-216-809-11	METAL CHIP	100	5%	1/10W
R3820	1-218-684-11	METAL CHIP	470	0.50%	1/10W
R3821	1-218-684-11	METAL CHIP	470	0.50%	1/10W
R3822	1-218-684-11	METAL CHIP	470	0.50%	1/10W
R3823	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3824	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3825	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3826	1-216-809-11	METAL CHIP	100	5%	1/10W
R3828	1-218-682-11	METAL CHIP	390	0.50%	1/10W
R3829	1-218-682-11	METAL CHIP	390	0.50%	1/10W
R3830	1-218-682-11	METAL CHIP	390	0.50%	1/10W
R3831	1-216-864-11	SHORT CHIP			
R3832	1-216-864-11	SHORT CHIP			
R3833	1-216-864-11	SHORT CHIP			
R3840	1-216-805-11	METAL CHIP	47	5%	1/10W
R3846	1-216-801-11	METAL CHIP	22	5%	1/10W
R3847	1-216-801-11	METAL CHIP	22	5%	1/10W
R3848	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3849	1-218-675-11	METAL CHIP	200	0.50%	1/10W
R3850	1-218-675-11	METAL CHIP	200	0.50%	1/10W
R3851	1-216-809-11	METAL CHIP	100	5%	1/10W
R3852	1-218-675-11	METAL CHIP	200	0.50%	1/10W
R3854	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3857	1-216-809-11	METAL CHIP	100	5%	1/10W
R3858	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R3862	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3863	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R3864	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3865	1-216-809-11	METAL CHIP	100	5%	1/10W
R3866	1-414-234-22	FERRITE	0μH		
R3867	1-414-234-22	FERRITE	0μH		
R3868	1-414-234-22	FERRITE	0μH		
R3881	1-216-807-11	METAL CHIP	68	5%	1/10W
R3882	1-216-807-11	METAL CHIP	68	5%	1/10W
R3883	1-216-807-11	METAL CHIP	68	5%	1/10W
R3911	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3917	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R3928	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(KD-34XBR960 ONLY)				
R3933	1-216-864-11	SHORT CHIP			
R3937	1-216-809-11	METAL CHIP	100	5%	1/10W
	(ALL EXCEPT KD-34XBR960)				
R3956	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3957	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3958	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3973	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R3974	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(KD-34XBR960 ONLY)				
R3975	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3976	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3977	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3978	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3979	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3980	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3981	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3982	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3983	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R3984	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R3985	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R3986	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R8606	1-216-819-11	METAL CHIP	680	5%	1/10W
R8607	1-216-819-11	METAL CHIP	680	5%	1/10W
R8608	1-216-819-11	METAL CHIP	680	5%	1/10W
R8609	1-216-809-11	METAL CHIP	100	5%	1/10W
R8610	1-216-809-11	METAL CHIP	100	5%	1/10W
R8611	1-216-809-11	METAL CHIP	100	5%	1/10W
R8612	1-216-820-11	METAL CHIP	820	5%	1/10W
R8613	1-216-820-11	METAL CHIP	820	5%	1/10W
R8614	1-216-820-11	METAL CHIP	820	5%	1/10W
R8615	1-216-809-11	METAL CHIP	100	5%	1/10W

BY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R8616	1-216-809-11	METAL CHIP	100	5%	1/10W
R8617	1-216-809-11	METAL CHIP	100	5%	1/10W
R8618	1-218-679-11	METAL CHIP	300	0.50%	1/10W
R8619	1-218-679-11	METAL CHIP	300	0.50%	1/10W
R8620	1-218-675-11	METAL CHIP	200	0.50%	1/10W
R8621	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8622	1-218-679-11	METAL CHIP	300	0.50%	1/10W
R8623	1-218-679-11	METAL CHIP	300	0.50%	1/10W
R8624	1-218-675-11	METAL CHIP	200	0.50%	1/10W
R8625	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8626	1-216-809-11	METAL CHIP	100	5%	1/10W
R8627	1-216-809-11	METAL CHIP	100	5%	1/10W
R8628	1-216-809-11	METAL CHIP	100	5%	1/10W
R8629	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R8630	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R8631	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R8632	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8636	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8637	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8638	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8639	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R8641	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8642	1-218-703-11	METAL CHIP	3K	0.50%	1/10W
R8643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8646	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8647	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8648	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R8650	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8651	1-216-801-11	METAL CHIP	22	5%	1/10W
R8652	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8653	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8654	1-216-864-11	SHORT CHIP			
R8655	1-216-864-11	SHORT CHIP			

RESISTOR BRIDGE

REF. NO.	PART NO.	DESCRIPTION	VALUES
RB3001	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3002	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3003	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3004	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3011	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3013	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3014	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3015	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3304	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3305	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3306	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3307	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3401	1-234-524-21	RES, CHIP NETWORK 33 (3216)	
RB3402	1-234-524-21	RES, CHIP NETWORK 33 (3216)	
RB3403	1-234-524-21	RES, CHIP NETWORK 33 (3216)	
RB3404	1-234-524-21	RES, CHIP NETWORK 33 (3216)	
RB3405	1-234-524-21	RES, CHIP NETWORK 33 (3216)	
RB3406	1-234-524-21	RES, CHIP NETWORK 33 (3216)	
RB3407	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3408	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3409	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3410	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3411	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3412	1-239-409-11	NETWORK RESISTOR(CHIP)	47
RB3421	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3422	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3423	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3424	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3425	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3426	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3427	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3428	1-233-576-11	RES, CHIP NETWORK 100 (3216)	
RB3436	1-234-523-21	RES, CHIP NETWORK 0 (3216)	
RB3437	1-234-523-21	RES, CHIP NETWORK 0 (3216)	
RB3438	1-234-523-21	RES, CHIP NETWORK 0 (3216)	
RB3439	1-234-523-21	RES, CHIP NETWORK 0 (3216)	

CRYSTAL

REF. NO.	PART NO.	DESCRIPTION
X2801	1-760-895-21	VIBRATOR, CERAMIC
X3089	1-781-945-21	VIBRATOR, CERAMIC
X3401	1-781-887-21	VIBRATOR, CRYSTAL

MZ

MZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
*	**A-1303-036-A**	**MZ BOARD, COMPLETE**			
	(KD-34XBR960 ONLY)				
*	**A-1303-043-A**	**MZ BOARD, COMPLETE**			
	(ALL EXCEPT KD-34XBR960)				

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2001	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
	(KD-34XBR960 ONLY)				
C2002	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C2003	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2004	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
	(KD-34XBR960 ONLY)				
C2005	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
	(KD-34XBR960 ONLY)				
C2006	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2007	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C2010	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2011	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2012	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(KD-34XBR960 ONLY)				
C2014	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2015	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2017	1-126-964-11	ELECT	10μF	20%	50V
C2019	1-126-964-11	ELECT	10μF	20%	50V
C2020	1-126-964-11	ELECT	10μF	20%	50V
C2022	1-126-964-11	ELECT	10μF	20%	50V
C2024	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C2025	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2027	1-126-964-11	ELECT	10μF	20%	50V
C2028	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C2029	1-126-964-11	ELECT	10μF	20%	50V
C2031	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(KD-34XBR960 ONLY)				
C2032	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(KD-34XBR960 ONLY)				
C2033	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C2034	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2035	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2036	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2037	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2038	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C2039	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2040	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2041	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2042	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2043	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2044	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C2045	1-126-933-11	ELECT	100μF	20%	16V
C2046	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2047	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(KD-34XBR960 ONLY)				
C2048	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
	(KD-34XBR960 ONLY)				
C2049	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
	(KD-34XBR960 ONLY)				
C2050	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2051	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
	(KD-34XBR960 ONLY)				
C2052	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
	(KD-34XBR960 ONLY)				
C2053	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
	(KD-34XBR960 ONLY)				
C2054	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(KD-34XBR960 ONLY)				
C2055	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C2056	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
	(KD-34XBR960 ONLY)				

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2057	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2058	1-126-963-11	ELECT	4.7μF	20%	50V
C2059	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2060	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2061	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2062	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2063	1-126-963-11	ELECT	4.7μF	20%	50V
	(KD-34XBR960 ONLY)				
C2064	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2065	1-126-933-11	ELECT	100μF	20%	16V
C2066	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2067	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C2068	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2069	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2070	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	(KD-34XBR960 ONLY)				
C2071	1-126-963-11	ELECT	4.7μF	20%	50V
C2072	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2073	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2074	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C2075	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2076	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
	(KD-34XBR960 ONLY)				
C2077	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2078	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	(KD-34XBR960 ONLY)				
C2079	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(KD-34XBR960 ONLY)				
C2080	1-126-963-11	ELECT	4.7μF	20%	50V
	(KD-34XBR960 ONLY)				
C2081	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2082	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2083	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C2084	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(KD-34XBR960 ONLY)				
C2085	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2086	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
	(KD-34XBR960 ONLY)				
C2087	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
	(KD-34XBR960 ONLY)				
C2088	1-216-864-11	SHORT CHIP			
C2089	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2090	1-216-864-11	SHORT CHIP			
C2091	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2092	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	(KD-34XBR960 ONLY)				
C2096	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2097	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2098	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2099	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2100	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2101	1-126-933-11	ELECT	100μF	20%	16V
	(KD-34XBR960 ONLY)				
C2102	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2103	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2104	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2105	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2106	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2107	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2108	1-126-933-11	ELECT	100μF	20%	16V
C2109	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2110	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2111	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C2112	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C2113	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C2114	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C2115	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2116	1-126-933-11	ELECT	100μF	20%	16V
C2117	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2118	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
	(KD-34XBR960 ONLY)				
C2119	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	(KD-34XBR960 ONLY)				
C2120	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C2121	1-126-964-11	ELECT	10μF	20%	50V
	(KD-34XBR960 ONLY)				
C2122	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2123	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2124	1-164-156-11	CERAMIC CHIP	0.1μF		25V

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2125	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2126	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2127	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2130	1-126-933-11	ELECT	100µF	20%	16V
C2131	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2132	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2137	1-126-964-11	ELECT	10µF	20%	50V
C2138	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2139	1-126-964-11	ELECT	10µF	20%	50V
C2140	1-126-964-11	ELECT	10µF	20%	50V
C2141	1-126-964-11	ELECT	10µF	20%	50V
C2200	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2201	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2202	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2204	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2205	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2206	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2207	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2208	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2209	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2210	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2211	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2212	1-126-933-11	ELECT	100µF	20%	16V
C2213	1-126-947-11	ELECT	47µF	20%	35V
C2214	1-126-933-11	ELECT	100µF	20%	16V
C2215	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2216	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2217	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2218	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2219	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2220	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2221	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2222	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2223	1-165-908-11	CERAMIC CHIP	1µF	10%	10V
C2224	1-115-156-11	CERAMIC CHIP	1µF		10V
C2225	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2226	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2227	1-126-933-11	ELECT	100µF	20%	16V
C2228	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
C2229	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
C2230	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2231	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C2232	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2233	1-164-156-11	CERAMIC CHIP	0.1µF		25V

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2234	1-126-933-11	ELECT	100µF	20%	16V
C2235	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2236	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2237	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2238	1-126-933-11	ELECT	100µF	20%	16V
C2239	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2240	1-126-933-11	ELECT	100µF	20%	16V
C2241	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2242	1-126-934-11	ELECT	220µF	20%	16V
C2243	1-126-934-11	ELECT	220µF	20%	16V
C2244	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2245	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2246	1-126-947-11	ELECT	47µF	20%	35V
C2247	1-162-975-11	CERAMIC CHIP	24pF	5%	50V
C2248	1-162-975-11	CERAMIC CHIP	24pF	5%	50V
C2249	1-164-360-11	CERAMIC CHIP	0.1µF		16V
C2250	1-164-360-11	CERAMIC CHIP	0.1µF		16V
C2251	1-164-392-11	CERAMIC CHIP	390pF	5%	50V
C2300	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2301	1-126-933-11	ELECT	100µF	20%	16V
C2302	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2305	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2306	1-162-920-11	CERAMIC CHIP	27pF	5%	50V
C2307	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2308	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2309	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2310	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2311	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2313	1-115-156-11	CERAMIC CHIP	1µF		10V
C2315	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2317	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2318	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2319	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2331	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	(KD-34XBR960 ONLY)				
C2347	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2348	1-126-933-11	ELECT	100µF	20%	16V
	(KD-34XBR960 ONLY)				
C2349	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2352	1-126-933-11	ELECT	100µF	20%	16V
C2353	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2354	1-162-907-11	CERAMIC CHIP	2pF	0.25pF	50V
C2355	1-164-245-11	CERAMIC CHIP	0.015µF	10%	25V
C2358	1-104-655-91	ELECT	470µF	20%	6.3V

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2359	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2361	1-126-933-11	ELECT	100µF	20%	16V
C2362	1-126-933-11	ELECT	100µF	20%	16V
C2364	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2366	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2367	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	(KD-34XBR960 ONLY)				
C2368	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
	(KD-34XBR960 ONLY)				
C2369	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C2370	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2371	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C2372	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2373	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2374	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2375	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2376	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
C2500	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2501	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2503	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2504	1-126-933-11	ELECT	100µF	20%	16V
C2506	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2508	1-126-933-11	ELECT	100µF	20%	16V
C2510	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2512	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2513	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2514	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2515	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2516	1-126-933-11	ELECT	100µF	20%	16V
C2517	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2518	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2519	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2520	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2521	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2522	1-126-947-11	ELECT	47µF	20%	35V
C2523	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2524	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2525	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2527	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2528	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C2530	1-126-947-11	ELECT	47µF	20%	35V
C2532	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2533	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2534	1-126-947-11	ELECT	47µF	20%	35V

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2535	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C2536	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2538	1-126-947-11	ELECT	47µF	20%	35V
C2539	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2540	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2541	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2542	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2543	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2544	1-126-963-11	ELECT	4.7µF	20%	50V
C2545	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2546	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2548	1-126-947-11	ELECT	47µF	20%	35V
C2549	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2550	1-126-963-11	ELECT	4.7µF	20%	50V
C2551	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2553	1-126-947-11	ELECT	47µF	20%	35V
C2554	1-126-947-11	ELECT	47µF	20%	35V
C2558	1-126-963-11	ELECT	4.7µF	20%	50V
C2559	1-126-933-11	ELECT	100µF	20%	16V
C2560	1-126-947-11	ELECT	47µF	20%	35V
C2561	1-126-963-11	ELECT	4.7µF	20%	50V
C2563	1-126-961-11	ELECT	2.2µF	20%	50V
C2564	1-126-961-11	ELECT	2.2µF	20%	50V
C2565	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C2566	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2569	1-126-961-11	ELECT	2.2µF	20%	50V
C2570	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2571	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2572	1-126-960-11	ELECT	1µF	20%	50V
C2574	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2575	1-126-960-11	ELECT	1µF	20%	50V
C2579	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2582	1-126-933-11	ELECT	100µF	20%	16V
C2584	1-126-933-11	ELECT	100µF	20%	16V
C2585	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2586	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C2587	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2588	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C2589	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C2590	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2591	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V

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	REF. NO.	PART NO.	DESCRIPTION	VALUES
		CONNECTOR		
	CN2006	1-793-174-11	SOCKET,PC CONNECTOR (PC BOARD)	
*	CN2301	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE)	10P
	CN2303	1-784-650-21	CONNECTOR	2P
*	CN2304	1-564-595-11	PLUG, CONNECTOR	14P
	CN2305	1-770-721-11	CONNECTOR, BOARD TO BOARD	4P
*	CN2306	1-818-480-11	PIN, CONNECTOR	12P
	CN2307	1-785-946-21	CONNECTOR	3P
*	CN2308	1-564-507-11	PLUG, CONNECTOR	4P
		DIODE		
	D2302	8-719-914-44	DIODE	DAP202K
		(KD-34XBR960 ONLY)		
	D2303	8-719-914-44	DIODE	DAP202K
		(KD-34XBR960 ONLY)		
	D2310	8-719-083-57	DIODE	UDZSTE-173.6B
	D2500	8-719-404-50	DIODE	MA111-TX
	D2501	8-719-404-50	DIODE	MA111-TX
	D2502	8-719-404-50	DIODE	MA111-TX
	D2503	8-719-404-50	DIODE	MA111-TX
	D2504	8-719-404-50	DIODE	MA111-TX
	D2505	8-719-978-33	DIODE	DTZ-TT11-6.8B
	D2506	8-719-978-33	DIODE	DTZ-TT11-6.8B
	D2507	8-719-404-50	DIODE	MA111-TX
		FERRITE BEAD		
	FB2001	1-414-229-11	FERRITE	0μH
		(KD-34XBR960 ONLY)		
	FB2002	1-414-229-11	FERRITE	0μH
	FB2200	1-414-229-11	FERRITE	0μH
	FB2501	1-216-864-11	SHORT CHIP	
	FB2503	1-216-864-11	SHORT CHIP	
	FB2504	1-216-864-11	SHORT CHIP	
	FB2505	1-414-229-11	FERRITE	0μH
	FB2507	1-414-229-11	FERRITE	0μH
	FB2508	1-414-229-11	FERRITE	0μH
	FB2509	1-216-864-11	SHORT CHIP	
	FB2510	1-414-229-11	FERRITE	0μH
	FB2511	1-216-864-11	SHORT CHIP	
	FB2512	1-414-229-11	FERRITE	0μH
	FB2513	1-216-864-11	SHORT CHIP	

REF. NO.	PART NO.	DESCRIPTION	VALUES
FB2514	1-216-864-11	SHORT CHIP	
FB2515	1-414-229-11	FERRITE	0μH
FB2516	1-414-229-11	FERRITE	0μH
FB2517	1-414-229-11	FERRITE	0μH
FB2518	1-414-229-11	FERRITE	0μH
FB2519	1-414-229-11	FERRITE	0μH
FB2520	1-216-864-11	SHORT CHIP	
FB2521	1-216-864-11	SHORT CHIP	
FB2522	1-414-229-11	FERRITE	0μH
FB2531	1-216-864-11	SHORT CHIP	
FB2533	1-216-864-11	SHORT CHIP	
FB2534	1-216-864-11	SHORT CHIP	
FB2535	1-216-864-11	SHORT CHIP	
FB2538	1-216-864-11	SHORT CHIP	
	FILTER		
FL2001	1-239-848-21	FILTER, LOW PASS	
	(KD-34XBR960 ONLY)		
FL2002	1-239-848-21	FILTER, LOW PASS	
	(KD-34XBR960 ONLY)		
FL2003	1-239-848-21	FILTER, LOW PASS	
	(KD-34XBR960 ONLY)		
FL2201	1-239-848-21	FILTER, LOW PASS	
FL2202	1-239-848-21	FILTER, LOW PASS	
FL2203	1-239-848-21	FILTER, LOW PASS	
FL2204	1-239-848-21	FILTER, LOW PASS	
	IC		
IC2001	8-752-394-69	IC	CXD2073Q-T4
	(KD-34XBR960 ONLY)		
IC2004	8-752-102-21	IC	CXA2103AQ
IC2005	8-752-102-21	IC	CXA2103AQ
	(KD-34XBR960 ONLY)		
IC2006	8-752-108-35	IC	CXA2171AQ
IC2007	8-759-592-49	IC	TC7SZ125FU(TE85R)
	(KD-34XBR960 ONLY)		
IC2008	8-759-448-68	IC	NJM2283V-TE1
	(KD-34XBR960 ONLY)		
IC2009	8-759-549-07	IC	SN74LV157APWR
	(KD-34XBR960 ONLY)		
IC2010	8-759-549-07	IC	SN74LV157APWR
IC2200	6-700-960-01	IC	UPD64083GF-3BA
IC2201	6-700-399-01	IC	UPC2925T-E1

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
IC2202	8-759-448-68	IC	NJM2283V-TE1		
IC2300	6-804-651-01	IC	M306V7FGFPU0-079		
IC2301	6-801-375-01	IC	PST9129NL		
IC2302	6-704-573-01	IC	M24C32-WMN6T(B)		
IC2305	8-759-641-26	IC	NJM2391DL1-33(TE1)		
IC2500	8-759-394-57	IC	PST593C-MMP-4P		
IC2501	6-801-750-01	IC	TC94A04F-014		
IC2502	8-759-331-71	IC	NJM4558E(TE2)		
	CHIP CONDUCTOR				
JR2010	1-216-864-11	SHORT CHIP			
JR2011	1-216-864-11	SHORT CHIP			
JR2012	1-216-864-11	SHORT CHIP			
JR2013	1-216-864-11	SHORT CHIP			
JR2014	1-216-864-11	SHORT CHIP			
JR2015	1-216-864-11	SHORT CHIP			
	COIL				
L2001	1-469-555-21	INDUCTOR	10μH		
	(KD-34XBR960 ONLY)				
L2002	1-469-555-21	INDUCTOR	10μH		
L2003	1-469-555-21	INDUCTOR	10μH		
	(KD-34XBR960 ONLY)				
L2004	1-469-555-21	INDUCTOR	10μH		
	(KD-34XBR960 ONLY)				
L2005	1-469-555-21	INDUCTOR	10μH		
L2006	1-469-555-21	INDUCTOR	10μH		
	(KD-34XBR960 ONLY)				
L2007	1-469-555-21	INDUCTOR	10μH		
L2008	1-469-555-21	INDUCTOR	10μH		
	(KD-34XBR960 ONLY)				
L2009	1-469-555-21	INDUCTOR	10μH		
L2010	1-469-555-21	INDUCTOR	10μH		
	(KD-34XBR960 ONLY)				
L2011	1-469-555-21	INDUCTOR	10μH		
L2012	1-469-555-21	INDUCTOR	10μH		
L2013	1-469-555-21	INDUCTOR	10μH		
L2200	1-469-555-21	INDUCTOR	10μH		
L2201	1-469-555-21	INDUCTOR	10μH		
L2202	1-469-555-21	INDUCTOR	10μH		
L2203	1-216-001-00	RES-CHIP	10	5%	1/10W
L2204	1-469-555-21	INDUCTOR	10μH		
L2205	1-216-001-00	RES-CHIP	10	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES
L2206	1-469-555-21	INDUCTOR	10μH
L2207	1-469-553-21	INDUCTOR	4.7μH
L2303	1-469-555-21	INDUCTOR	10μH
L2501	1-412-537-31	INDUCTOR	100μH
L2502	1-216-295-91	SHORT CHIP	
	TRANSISTOR		
Q2001	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2002	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KD-34XBR960 ONLY)		
Q2003	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	(KD-34XBR960 ONLY)		
Q2004	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KD-34XBR960 ONLY)		
Q2005	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	(KD-34XBR960 ONLY)		
Q2006	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KD-34XBR960 ONLY)		
Q2007	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KD-34XBR960 ONLY)		
Q2008	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KD-34XBR960 ONLY)		
Q2009	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2010	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KD-34XBR960 ONLY)		
Q2011	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	(KD-34XBR960 ONLY)		
Q2012	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	(KD-34XBR960 ONLY)		
Q2013	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2014	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2015	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	(KD-34XBR960 ONLY)		
Q2016	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2017	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KD-34XBR960 ONLY)		
Q2018	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2019	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2200	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2201	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2202	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2203	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2204	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2205	8-729-422-27	TRANSISTOR	2SD601A-Q

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REF. NO.	PART NO.	DESCRIPTION	VALUES
Q2206	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2207	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2208	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2209	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2210	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2211	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2212	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2213	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2214	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2215	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2216	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2302	8-729-422-27 (KD-34XBR960 ONLY)	TRANSISTOR	2SD601A-Q
Q2303	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2304	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2308	8-729-424-02 (KD-34XBR960 ONLY)	TRANSISTOR	2SB709A-QRS-TX
Q2311	8-729-422-27 (KD-34XBR960 ONLY)	TRANSISTOR	2SD601A-Q
Q2312	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2313	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2314	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2315	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2316	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2322	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2324	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2500	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2501	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2502	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2503	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2504	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2505	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2506	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2507	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2508	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2509	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2510	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2511	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2512	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2513	8-729-422-27	TRANSISTOR	2SD601A-Q
Q2600	8-729-422-27	TRANSISTOR	2SD601A-Q

RESISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2001	1-216-809-11 (KD-34XBR960 ONLY)	METAL CHIP	100	5%	1/10W
R2002	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W
R2003	1-218-686-11 (KD-34XBR960 ONLY)	METAL CHIP	560	0.50%	1/10W
R2004	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W
R2005	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W
R2006	1-216-825-11 (KD-34XBR960 ONLY)	METAL CHIP	2.2K	5%	1/10W
R2007	1-218-708-11 (KD-34XBR960 ONLY)	METAL CHIP	4.7K	0.50%	1/10W
R2008	1-218-692-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	0.50%	1/10W
R2009	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W
R2010	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W
R2011	1-218-686-11 (KD-34XBR960 ONLY)	METAL CHIP	560	0.50%	1/10W
R2012	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W
R2013	1-216-825-11 (KD-34XBR960 ONLY)	METAL CHIP	2.2K	5%	1/10W
R2014	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W
R2015	1-218-734-11 (KD-34XBR960 ONLY)	METAL CHIP	56K	0.50%	1/10W
R2016	1-216-839-11 (KD-34XBR960 ONLY)	METAL CHIP	33K	5%	1/10W
R2017	1-216-837-11 (KD-34XBR960 ONLY)	METAL CHIP	22K	5%	1/10W
R2018	1-216-812-11 (KD-34XBR960 ONLY)	METAL CHIP	180	5%	1/10W
R2020	1-216-811-11 (KD-34XBR960 ONLY)	METAL CHIP	150	5%	1/10W
R2022	1-218-704-11 (KD-34XBR960 ONLY)	METAL CHIP	3.3K	0.50%	1/10W
R2023	1-216-839-11 (KD-34XBR960 ONLY)	METAL CHIP	33K	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2024	1-216-837-11	METAL CHIP	22K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2025	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
	(KD-34XBR960 ONLY)				
R2026	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
	(KD-34XBR960 ONLY)				
R2027	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
R2030	1-216-817-11	METAL CHIP	470	5%	1/10W
	(KD-34XBR960 ONLY)				
R2032	1-216-817-11	METAL CHIP	470	5%	1/10W
	(KD-34XBR960 ONLY)				
R2035	1-216-817-11	METAL CHIP	470	5%	1/10W
	(KD-34XBR960 ONLY)				
R2036	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2037	1-216-864-11	SHORT CHIP			
R2038	1-216-864-11	SHORT CHIP			
R2039	1-216-864-11	SHORT CHIP			
R2040	1-216-817-11	METAL CHIP	470	5%	1/10W
	(KD-34XBR960 ONLY)				
R2041	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2042	1-216-864-11	SHORT CHIP			
R2043	1-216-864-11	SHORT CHIP			
R2044	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R2045	1-218-686-11	METAL CHIP	560	0.50%	1/10W
	(KD-34XBR960 ONLY)				
R2046	1-218-686-11	METAL CHIP	560	0.50%	1/10W
	(KD-34XBR960 ONLY)				
R2047	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R2048	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
	(KD-34XBR960 ONLY)				
R2049	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
	(KD-34XBR960 ONLY)				
R2050	1-216-817-11	METAL CHIP	470	5%	1/10W
	(KD-34XBR960 ONLY)				
R2051	1-216-817-11	METAL CHIP	470	5%	1/10W
	(KD-34XBR960 ONLY)				
R2052	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2053	1-216-864-11	SHORT CHIP			
R2054	1-216-835-11	METAL CHIP	15K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2055	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2056	1-216-809-11	METAL CHIP	100	5%	1/10W
R2057	1-216-809-11	METAL CHIP	100	5%	1/10W
R2058	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2059	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2060	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R2061	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R2062	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R2063	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R2064	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2065	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R2066	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-34XBR960)				
R2067	1-216-809-11	METAL CHIP	100	5%	1/10W
R2069	1-216-864-11	SHORT CHIP			
R2071	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
R2072	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2073	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2074	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2075	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)				
R2076	1-216-864-11	SHORT CHIP			
R2077	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2081	1-216-809-11	METAL CHIP	100	5%	1/10W
R2082	1-216-809-11	METAL CHIP	100	5%	1/10W
R2083	1-216-851-11	METAL CHIP	330K	5%	1/10W
R2084	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2085	1-216-841-11	METAL CHIP	47K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2086	1-216-818-11	METAL CHIP	560	5%	1/10W
	(KD-34XBR960 ONLY)				
R2087	1-216-818-11	METAL CHIP	560	5%	1/10W
	(KD-34XBR960 ONLY)				
R2088	1-216-845-11	METAL CHIP	100K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2090	1-216-841-11	METAL CHIP	47K	5%	1/10W
	(KD-34XBR960 ONLY)				

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2091	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2092	1-216-818-11	METAL CHIP	560	5%	1/10W
	(KD-34XBR960 ONLY)				
R2093	1-216-818-11	METAL CHIP	560	5%	1/10W
	(KD-34XBR960 ONLY)				
R2094	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R2095	1-216-864-11	SHORT CHIP			
R2097	1-216-809-11	METAL CHIP	100	5%	1/10W
R2099	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2101	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W
R2105	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W
R2110	1-216-818-11	METAL CHIP	560	5%	1/10W
	(KD-34XBR960 ONLY)				
R2111	1-216-818-11	METAL CHIP	560	5%	1/10W
	(KD-34XBR960 ONLY)				
R2112	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2113	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2114	1-216-805-11	METAL CHIP	47	5%	1/10W
R2115	1-216-805-11	METAL CHIP	47	5%	1/10W
R2116	1-216-805-11	METAL CHIP	47	5%	1/10W
R2118	1-216-809-11	METAL CHIP	100	5%	1/10W
R2119	1-216-809-11	METAL CHIP	100	5%	1/10W
R2120	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W
R2123	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2125	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2126	1-216-809-11	METAL CHIP	100	5%	1/10W
R2127	1-216-864-11	SHORT CHIP			
R2131	1-216-809-11	METAL CHIP	100	5%	1/10W
R2133	1-216-864-11	SHORT CHIP			
R2134	1-216-864-11	SHORT CHIP			
R2135	1-216-864-11	SHORT CHIP			
R2136	1-216-864-11	SHORT CHIP			
R2137	1-216-864-11	SHORT CHIP			
R2138	1-216-864-11	SHORT CHIP			
R2139	1-216-864-11	SHORT CHIP			
R2140	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2141	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2142	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2201	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2204	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2205	1-216-864-11	SHORT CHIP			
R2206	1-216-864-11	SHORT CHIP			
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2209	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2210	1-216-818-11	METAL CHIP	560	5%	1/10W
R2211	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2212	1-216-818-11	METAL CHIP	560	5%	1/10W
R2213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2214	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2215	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2216	1-216-817-11	METAL CHIP	470	5%	1/10W
R2217	1-216-817-11	METAL CHIP	470	5%	1/10W
R2218	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2219	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2221	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2223	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2224	1-216-809-11	METAL CHIP	100	5%	1/10W
R2225	1-216-818-11	METAL CHIP	560	5%	1/10W
R2226	1-216-817-11	METAL CHIP	470	5%	1/10W
R2227	1-216-816-11	METAL CHIP	390	5%	1/10W
R2228	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2229	1-216-849-11	METAL CHIP	220K	5%	1/10W
R2230	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2231	1-216-819-11	METAL CHIP	680	5%	1/10W
R2232	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2233	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2234	1-216-820-11	METAL CHIP	820	5%	1/10W
R2235	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2236	1-216-813-11	METAL CHIP	220	5%	1/10W

MZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2237	1-216-820-11	METAL CHIP	820	5%	1/10W
R2238	1-216-819-11	METAL CHIP	680	5%	1/10W
R2239	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2240	1-216-834-11	METAL CHIP	12K	5%	1/10W
R2241	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2242	1-218-680-11	METAL CHIP	330	0.50%	1/10W
R2243	1-216-834-11	METAL CHIP	12K	5%	1/10W
R2244	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2245	1-218-684-11	METAL CHIP	470	0.50%	1/10W
R2246	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2247	1-216-805-11	METAL CHIP	47	5%	1/10W
R2248	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2249	1-216-805-11	METAL CHIP	47	5%	1/10W
R2250	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2251	1-216-818-11	METAL CHIP	560	5%	1/10W
R2252	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2253	1-216-809-11	METAL CHIP	100	5%	1/10W
R2254	1-216-817-11	METAL CHIP	470	5%	1/10W
R2255	1-216-817-11	METAL CHIP	470	5%	1/10W
R2256	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2257	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2268	1-216-809-11	METAL CHIP	100	5%	1/10W
R2269	1-216-809-11	METAL CHIP	100	5%	1/10W
R2270	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2271	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2272	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2298	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2299	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2300	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2301	1-216-809-11	METAL CHIP	100	5%	1/10W
R2302	1-216-809-11	METAL CHIP	100	5%	1/10W
R2303	1-216-809-11	METAL CHIP	100	5%	1/10W
R2304	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2305	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2307	1-216-809-11	METAL CHIP	100	5%	1/10W
R2308	1-216-809-11	METAL CHIP	100	5%	1/10W
R2309	1-216-809-11	METAL CHIP	100	5%	1/10W
R2310	1-216-864-11	SHORT CHIP			
R2311	1-216-809-11	METAL CHIP	100	5%	1/10W
R2312	1-216-809-11	METAL CHIP	100	5%	1/10W
R2313	1-216-809-11	METAL CHIP	100	5%	1/10W
R2314	1-216-809-11	METAL CHIP	100	5%	1/10W
R2315	1-216-809-11	METAL CHIP	100	5%	1/10W
R2316	1-216-809-11	METAL CHIP	100	5%	1/10W
R2317	1-216-809-11	METAL CHIP	100	5%	1/10W
R2318	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2319	1-216-809-11	METAL CHIP	100	5%	1/10W
R2320	1-216-809-11	METAL CHIP	100	5%	1/10W
R2321	1-216-809-11	METAL CHIP	100	5%	1/10W
R2322	1-216-809-11	METAL CHIP	100	5%	1/10W
R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2324	1-216-809-11	METAL CHIP	100	5%	1/10W
R2325	1-216-864-11	SHORT CHIP			
R2326	1-216-809-11	METAL CHIP	100	5%	1/10W
R2327	1-216-809-11	METAL CHIP	100	5%	1/10W
R2328	1-216-809-11	METAL CHIP	100	5%	1/10W
R2333	1-216-809-11	METAL CHIP	100	5%	1/10W
R2336	1-216-809-11	METAL CHIP	100	5%	1/10W
R2337	1-216-809-11	METAL CHIP	100	5%	1/10W
R2338	1-216-864-11	SHORT CHIP			
R2339	1-216-809-11	METAL CHIP	100	5%	1/10W
R2340	1-216-809-11	METAL CHIP	100	5%	1/10W
R2341	1-216-809-11	METAL CHIP	100	5%	1/10W
R2342	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2344	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2346	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
R2347	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2348	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2349	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2350	1-216-809-11	METAL CHIP	100	5%	1/10W
R2351	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2353	1-216-809-11	METAL CHIP	100	5%	1/10W
R2354	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2356	1-216-805-11	METAL CHIP	47	5%	1/10W
	(KD-34XBR960 ONLY)				
R2357	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2358	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2359	1-216-805-11	METAL CHIP	47	5%	1/10W
R2360	1-216-809-11	METAL CHIP	100	5%	1/10W
R2361	1-216-864-11	SHORT CHIP			
R2363	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2364	1-216-809-11	METAL CHIP	100	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2365	1-216-809-11	METAL CHIP	100	5%	1/10W
R2366	1-216-864-11	SHORT CHIP			
R2367	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2368	1-216-809-11	METAL CHIP	100	5%	1/10W
R2370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2371	1-216-809-11	METAL CHIP	100	5%	1/10W
R2372	1-216-809-11	METAL CHIP	100	5%	1/10W
R2375	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2378	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2379	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2380	1-216-809-11	METAL CHIP	100	5%	1/10W
R2381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2387	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2400	1-216-811-11	METAL CHIP	150	5%	1/10W
	(KD-34XBR960 ONLY)				
R2401	1-216-811-11	METAL CHIP	150	5%	1/10W
	(KD-34XBR960 ONLY)				
R2402	1-216-811-11	METAL CHIP	150	5%	1/10W
	(KD-34XBR960 ONLY)				
R2404	1-216-864-11	SHORT CHIP			
R2419	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2422	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2425	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2428	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2434	1-216-821-11	METAL CHIP	1K	5%	1/10W
	(KD-34XBR960 ONLY)				
R2435	1-216-820-11	METAL CHIP	820	5%	1/10W
	(KD-34XBR960 ONLY)				
R2436	1-216-820-11	METAL CHIP	820	5%	1/10W
	(KD-34XBR960 ONLY)				
R2437	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				
R2438	1-216-820-11	METAL CHIP	820	5%	1/10W
	(KD-34XBR960 ONLY)				
R2450	1-216-864-11	SHORT CHIP			
R2452	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2453	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2454	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KD-34XBR960 ONLY)				

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2455	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2459	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2460	1-216-809-11	METAL CHIP	100	5%	1/10W
R2469	1-216-809-11	METAL CHIP	100	5%	1/10W
R2471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2480	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2481	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2483	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2484	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2485	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2486	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2487	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2488	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2489	1-216-817-11	METAL CHIP	470	5%	1/10W
R2490	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2491	1-216-817-11	METAL CHIP	470	5%	1/10W
	(KD-34XBR960 ONLY)				
R2492	1-216-857-11	METAL CHIP	1M	5%	1/10W
	(KD-34XBR960 ONLY)				
R2493	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2494	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2500	1-216-809-11	METAL CHIP	100	5%	1/10W
R2501	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2502	1-216-864-11	SHORT CHIP			
R2503	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2506	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2508	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2509	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2510	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2511	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2513	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2514	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2515	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2516	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2517	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2518	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2519	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2520	1-216-864-11	SHORT CHIP			
R2521	1-216-864-11	SHORT CHIP			
R2522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2523	1-216-813-11	METAL CHIP	220	5%	1/10W
R2524	1-216-809-11	METAL CHIP	100	5%	1/10W
R2525	1-216-813-11	METAL CHIP	220	5%	1/10W

MZ UZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2526	1-216-864-11	SHORT CHIP			
R2528	1-216-809-11	METAL CHIP	100	5%	1/10W
R2529	1-216-809-11	METAL CHIP	100	5%	1/10W
R2530	1-216-809-11	METAL CHIP	100	5%	1/10W
R2531	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2532	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2533	1-216-864-11	SHORT CHIP			
R2534	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2538	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2539	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2540	1-216-864-11	SHORT CHIP			
R2541	1-216-864-11	SHORT CHIP			
R2542	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2543	1-216-864-11	SHORT CHIP			
R2546	1-216-813-11	METAL CHIP	220	5%	1/10W
R2547	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2548	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2549	1-216-813-11	METAL CHIP	220	5%	1/10W
R2550	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2551	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2552	1-216-809-11	METAL CHIP	100	5%	1/10W
R2553	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2554	1-216-809-11	METAL CHIP	100	5%	1/10W
R2555	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2556	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2557	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2561	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2563	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2564	1-216-817-11	METAL CHIP	470	5%	1/10W
R2565	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2566	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2567	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2568	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2569	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2570	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2571	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2576	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2578	1-216-821-11	METAL CHIP	1K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2580	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2581	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2582	1-216-809-11	METAL CHIP	100	5%	1/10W
R2585	1-216-864-11	SHORT CHIP			
R2593	1-216-864-11	SHORT CHIP			
R2603	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2604	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2605	1-216-864-11	SHORT CHIP			
R2607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2608	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2609	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2610	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2611	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2612	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2613	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2617	1-216-809-11	METAL CHIP	100	5%	1/10W

CRYSTAL

REF. NO.	PART NO.	DESCRIPTION
X2001	1-567-505-11	OSCILLATOR, CRYSTAL
X2002	1-567-505-11	OSCILLATOR, CRYSTAL
	(KD-34XBR960 ONLY)	
X2003	1-781-282-11	VIBRATOR, CERAMIC
X2200	1-767-606-11	VIBRATOR, CRYSTAL
X2300	1-795-572-11	VIBRATOR, CRYSTAL
X2500	1-767-639-21	VIBRATOR, CRYSTAL

UZ

* **A-1303-037-A UZ BOARD, COMPLETE**

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C1501	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C1502	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1503	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C1504	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C1505	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1506	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C1507	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C1508	1-126-960-11	ELECT	1μF	20%	50V
C1509	1-126-960-11	ELECT	1μF	20%	50V
C1510	1-126-960-11	ELECT	1μF	20%	50V
C1511	1-126-960-11	ELECT	1μF	20%	50V
C1512	1-126-960-11	ELECT	1μF	20%	50V

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
C1513	1-126-960-11	ELECT	1μF	20%	50V
C1519	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
C1520	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
C1521	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C1522	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C1523	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1524	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C1525	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C1526	1-126-964-11	ELECT	10μF	20%	50V
C1527	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1528	1-126-933-11	ELECT	100μF	20%	16V
C1529	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
C1530	1-126-964-11	ELECT	10μF	20%	50V
C1531	1-126-941-11	ELECT	470μF	20%	25V
C1532	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1533	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C1534	1-126-933-11	ELECT	100μF	20%	16V
C1535	1-126-933-11	ELECT	100μF	20%	16V
C1536	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1537	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1538	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1539	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C1540	1-126-933-11	ELECT	100μF	20%	16V
C1541	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C1542	1-126-960-11	ELECT	1μF	20%	50V
C1543	1-126-960-11	ELECT	1μF	20%	50V
C1545	1-126-933-11	ELECT	100μF	20%	16V
C1546	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C1548	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1550	1-126-960-11	ELECT	1μF	20%	50V
C1551	1-126-960-11	ELECT	1μF	20%	50V
C1552	1-126-960-11	ELECT	1μF	20%	50V
C1553	1-126-960-11	ELECT	1μF	20%	50V
C1556	1-126-933-11	ELECT	100μF	20%	16V
C1557	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C1558	1-126-933-11	ELECT	100μF	20%	16V
C1559	1-126-933-11	ELECT	100μF	20%	16V
C1560	1-126-933-11	ELECT	100μF	20%	16V
C1561	1-126-933-11	ELECT	100μF	20%	16V
C1562	1-126-933-11	ELECT	100μF	20%	16V
C1563	1-126-933-11	ELECT	100μF	20%	16V

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		CONNECTOR		
*	CN1501	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE) 11P	
	CN1502	1-793-173-11	PIN, PC CONNECTOR(PC BOARD) 50P	
	CN1503	1-793-419-11	CONNECTOR, BOARD TO BOARD 4P	
		DIODE		
	D1501	8-719-977-28	DIODE	DTZ10B
	D1502	8-719-977-28	DIODE	DTZ10B
	D1503	8-719-977-28	DIODE	DTZ10B
	D1504	8-719-977-28	DIODE	DTZ10B
	D1505	8-719-977-28	DIODE	DTZ10B
	D1506	8-719-977-28	DIODE	DTZ10B
	D1507	8-719-977-28	DIODE	DTZ10B
	D1508	8-719-977-28	DIODE	DTZ10B
	D1509	8-719-977-28	DIODE	DTZ10B
	D1510	8-719-977-28	DIODE	DTZ10B
	D1511	8-719-977-28	DIODE	DTZ10B
	D1512	8-719-977-28	DIODE	DTZ10B
	D1513	8-719-977-28	DIODE	DTZ10B
	D1514	8-719-977-28	DIODE	DTZ10B
	D1515	8-719-977-28	DIODE	DTZ10B
	D1516	8-719-977-28	DIODE	DTZ10B
	D1517	8-719-977-28	DIODE	DTZ10B
	D1518	8-719-914-43	DIODE	DAN202K
	D1519	8-719-977-28	DIODE	DTZ10B
	D1520	8-719-977-28	DIODE	DTZ10B
	D1521	8-719-977-28	DIODE	DTZ10B
	D1522	8-719-977-28	DIODE	DTZ10B
	D1525	8-719-977-28	DIODE	DTZ10B
	D1526	8-719-977-28	DIODE	DTZ10B
	D1527	8-719-977-28	DIODE	DTZ10B
	D1528	8-719-977-28	DIODE	DTZ10B
	D1529	8-719-977-28	DIODE	DTZ10B
	D1530	8-719-977-28	DIODE	DTZ10B
	D1531	8-719-977-28	DIODE	DTZ10B
	D1532	8-719-977-28	DIODE	DTZ10B
	D1533	8-719-977-28	DIODE	DTZ10B
	D1534	8-719-977-28	DIODE	DTZ10B
	D1535	8-719-977-28	DIODE	DTZ10B

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
	IC				
IC1502	8-752-080-04	IC	CXA2069Q		
IC1505	8-759-548-56	IC	M52055FP		
	JACK				
J1501	1-573-967-12	BLOCK, (S) TERMINAL			
J1502	1-750-516-21	JACK BLOCK, PIN 2P			
J1503	1-750-517-21	JACK BLOCK, PIN 3P			
J1504	1-750-517-21	JACK BLOCK, PIN 3P			
J1505	1-764-143-11	JACK			
J1506	1-764-143-11	JACK			
J1508	1-815-015-11	JACK BLOCK, PIN			
J1509	1-815-015-11	JACK BLOCK, PIN			
	COIL				
L1502	1-469-555-21	INDUCTOR	10μH		
L1503	1-469-555-21	INDUCTOR	10μH		
L1504	1-469-555-21	INDUCTOR	10μH		
L1505	1-469-555-21	INDUCTOR	10μH		
L1506	1-469-555-21	INDUCTOR	10μH		
	TRANSISTOR				
Q1501	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1502	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1503	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1504	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1505	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1506	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1507	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1508	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1509	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1510	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1511	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1512	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1513	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1515	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1516	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1518	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1519	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1520	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1521	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1522	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q1523	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1524	8-729-422-27	TRANSISTOR	2SD601A-Q		
	RESISTOR				
R1501	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1502	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1503	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1504	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1505	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1506	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1507	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1508	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1509	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1510	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1511	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1512	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1513	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1514	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1520	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1522	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1523	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1524	1-216-809-11	METAL CHIP	100	5%	1/10W
R1525	1-216-809-11	METAL CHIP	100	5%	1/10W
R1526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1527	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1530	1-216-809-11	METAL CHIP	100	5%	1/10W
R1531	1-216-809-11	METAL CHIP	100	5%	1/10W
R1532	1-216-809-11	METAL CHIP	100	5%	1/10W
R1533	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1536	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1537	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1538	1-216-806-11	METAL CHIP	56	5%	1/10W
R1539	1-216-805-11	METAL CHIP	47	5%	1/10W
R1540	1-216-809-11	METAL CHIP	100	5%	1/10W
R1541	1-216-809-11	METAL CHIP	100	5%	1/10W
R1542	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
R1544	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1545	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1546	1-216-809-11	METAL CHIP	100	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1547	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1548	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1549	1-216-809-11	METAL CHIP	100	5%	1/10W
R1550	1-216-809-11	METAL CHIP	100	5%	1/10W
R1551	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1552	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1554	1-216-809-11	METAL CHIP	100	5%	1/10W
R1555	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1556	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1557	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1559	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1560	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1562	1-216-809-11	METAL CHIP	100	5%	1/10W
R1563	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1565	1-216-809-11	METAL CHIP	100	5%	1/10W
R1566	1-216-809-11	METAL CHIP	100	5%	1/10W
R1567	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1568	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1569	1-216-809-11	METAL CHIP	100	5%	1/10W
R1570	1-216-809-11	METAL CHIP	100	5%	1/10W
R1571	1-216-809-11	METAL CHIP	100	5%	1/10W
R1572	1-216-809-11	METAL CHIP	100	5%	1/10W
R1573	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1574	1-216-809-11	METAL CHIP	100	5%	1/10W
R1575	1-216-809-11	METAL CHIP	100	5%	1/10W
R1576	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1577	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1578	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1579	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1580	1-216-809-11	METAL CHIP	100	5%	1/10W
R1581	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1582	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1583	1-216-809-11	METAL CHIP	100	5%	1/10W
R1584	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1585	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1586	1-216-813-11	METAL CHIP	220	5%	1/10W
R1587	1-216-809-11	METAL CHIP	100	5%	1/10W
R1588	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1589	1-216-813-11	METAL CHIP	220	5%	1/10W
R1590	1-216-809-11	METAL CHIP	100	5%	1/10W
R1591	1-216-813-11	METAL CHIP	220	5%	1/10W
R1592	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1593	1-216-809-11	METAL CHIP	100	5%	1/10W
R1594	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1595	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1596	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1597	1-216-809-11	METAL CHIP	100	5%	1/10W
R1598	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1600	1-216-809-11	METAL CHIP	100	5%	1/10W
R1604	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1607	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1608	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1609	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1610	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1612	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1613	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1615	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1616	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1617	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1618	1-216-864-11	SHORT CHIP			
R1619	1-216-809-11	METAL CHIP	100	5%	1/10W
R1620	1-216-809-11	METAL CHIP	100	5%	1/10W
R1623	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1624	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1625	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1626	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1627	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1628	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1629	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1630	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1631	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1632	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1635	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1636	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1637	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1645	1-216-809-11	METAL CHIP	100	5%	1/10W
R1646	1-216-803-11	METAL CHIP	33	5%	1/10W
R1647	1-216-803-11	METAL CHIP	33	5%	1/10W
R1648	1-216-803-11	METAL CHIP	33	5%	1/10W
R1649	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1650	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1651	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1652	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1653	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1654	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1655	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1656	1-218-676-11	METAL CHIP	220	0.50%	1/10W

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

UZ DZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1657	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1658	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1659	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1660	1-218-676-11	METAL CHIP	220	0.50%	1/10W

VARISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
VD1512	1-803-974-21	VARISTOR, CHIP	(1608)
VD1513	1-803-974-21	VARISTOR, CHIP	(1608)
VD1516	1-803-974-21	VARISTOR, CHIP	(1608)

DZ

	PART NO.	DESCRIPTION
*	**A-1062-014-A**	**DZ BOARD, COMPLETE**
	(KD-36XS955 ONLY)	
*	**A-1303-038-A**	**DZ BOARD, COMPLETE**
	(KD-34XBR960/34XS955 ONLY)	
*	**A-1303-045-A**	**DZ BOARD, COMPLETE**
	(KD-30XS955 ONLY)	
	4-382-854-01	SCREW (M3X8), P, SW (+)
	4-382-854-21	SCREW (M3X14), P, SW (+)

The high-voltage leads associated with the FBT on the DZ board are not included and must be ordered separately. Order the following leads when requesting this DZ Board:

	PART NO.	DESCRIPTION
⚠	1-251-715-22	CAP ASSY, HIGH-VOLTAGE
⚠	1-900-805-19	WIRE ASSY, FOCUS HV
⚠	1-900-808-42	WIRE ASSY, G2

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5001	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C5002	1-106-383-00	MYLAR	0.047μF	10%	200V
C5003	1-162-967-11	CERAMIC CHIP	0.0033μF	10%	50V
C5004	1-106-383-00	MYLAR	0.047μF	10%	200V
C5005	1-126-235-11	ELECT	100μF	20%	16V
C5006	1-126-964-11	ELECT	10μF	20%	50V
C5007	1-126-941-11	ELECT	470μF	20%	25V
C5009	1-126-941-11	ELECT	470μF	20%	25V
C5010	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C5011	1-107-641-11	ELECT	220μF	20%	160V
C5012	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C5013	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C5014	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C5016	1-130-783-71	MYLAR	0.33μF	10%	100V
C5017	1-164-677-11	CERAMIC CHIP	0.033μF	10%	16V
C5018	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5019	1-126-968-11	ELECT	100μF	20%	50V
C5020	1-104-665-11	ELECT	100μF	20%	25V
C5022	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C5024	1-102-038-00	CERAMIC	0.001μF		500V
C5028	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V
C5029	1-115-349-51	CERAMIC	0.01μF		2KV
C5030	1-137-365-11	MYLAR	0.0015μF	5%	50V
C5031	1-162-965-11	CERAMIC CHIP	0.0015μF	10%	50V
C5032	1-165-176-11	CERAMIC CHIP	0.047μF	10%	16V
C5033	1-130-495-00	MYLAR	0.1μF	5%	50V
C5035	1-104-665-11	ELECT	100μF	20%	25V
C5036	1-126-941-11	ELECT	470μF	20%	25V
C5037	1-115-349-51	CERAMIC	0.01μF		2KV
	(KD-36XS955 ONLY)				
C5038	1-115-349-51	CERAMIC	0.01μF		2KV
	(KD-36XS955 ONLY)				
C5039	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C5040	1-126-935-11	ELECT	470μF	20%	16V
C5041	1-126-935-11	ELECT	470μF	20%	16V
C5044	1-164-360-11	CERAMIC CHIP	0.1μF		16V
C5045	1-164-360-11	CERAMIC CHIP	0.1μF		16V
C5046	1-162-971-11	CERAMIC CHIP	0.001μF	10%	50V
C5047	1-162-971-11	CERAMIC CHIP	0.001μF	10%	50V
C5048	1-162-953-11	CERAMIC CHIP	100pF	5%	50V
C5049	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5050	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5051	1-164-360-11	CERAMIC CHIP	0.1μF		16V
C5052	1-126-947-11	ELECT	47μF	20%	35V
C5053	1-106-220-00	MYLAR	0.1μF	10%	100V
C5054	1-104-666-11	ELECT	220μF	20%	25V
C5056	1-162-318-11	CERAMIC	0.001μF	10%	500V
C5057	1-104-332-11	CERAMIC	470pF	10%	2KV
	(KD-36XS955 ONLY)				
C5058	1-162-116-00	CERAMIC	680pF	10%	2KV
C5059	1-162-116-00	CERAMIC	680pF	10%	2KV
C5060	1-137-417-11	MYLAR	0.015μF	10%	100V
C5061	1-117-833-21	FILM	5100pF	3%	1.5KV
	(ALL EXCEPT KD-36XS955)				
C5061	1-117-839-11	FILM	9100pF	3%	1.5KV
	(KD-36XS955 ONLY)				
C5064	1-117-665-11	FILM	0.33μF	5%	250V
	(ALL EXCEPT KD-36XS955)				

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5064	1-117-668-31	FILM	0.56μF	5%	250V
	(KD-36XS955 ONLY)				
C5065	1-107-506-11	FILM	0.68μF	3%	400V
	(KD-36XS955 ONLY)				
C5065	1-117-664-11	FILM	0.27μF	5%	250V
	(KD-30XS955 ONLY)				
C5065	1-117-665-11	FILM	0.33μF	5%	250V
	(KD-34XBR960/34XS955 ONLY)				
C5066	1-109-921-11	CERAMIC	0.0015μF	10%	500V
C5070	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5071	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5074	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C5075	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5076	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5077	1-164-360-11	CERAMIC CHIP	0.1μF		16V
C5078	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V
C5079	1-162-965-11	CERAMIC CHIP	0.0015μF	10%	50V
C5082	1-117-832-21	FILM	4700pF	3%	1.5KV
	(KD-30XS955 ONLY)				
C5082	1-117-834-21	FILM	5600pF	3%	1.5KV
	(KD-34XBR960/34XS955 ONLY)				
C5082	1-117-839-11	FILM	9100pF	3%	1.5KV
	(KD-36XS955 ONLY)				
C5084	1-126-941-11	ELECT	470μF	20%	25V
C5086	1-126-941-11	ELECT	470μF	20%	25V
C5502	1-126-941-11	ELECT	470μF	20%	25V
C5504	1-126-947-11	ELECT	47μF	20%	35V
C5505	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5506	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C5511	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5512	1-162-974-11	CERAMIC CHIP	0.01μF		50V
C5513	1-162-974-11	CERAMIC CHIP	0.01μF		50V
C5514	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5515	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5516	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5517	1-129-716-00	FILM	0.015μF	5%	400V
C5518	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5519	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5520	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5521	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5522	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V
C5523	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5524	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5526	1-162-967-11	CERAMIC CHIP	0.0033μF	10%	50V
C5527	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5528	1-129-709-91	FILM	0.0039μF	5%	630V
C5529	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5530	1-136-167-00	FILM	0.15μF	5%	50V
C5531	1-130-495-00	MYLAR	0.1μF	5%	50V
C5533	1-126-961-11	ELECT	2.2μF	20%	50V
C5534	1-126-947-11	ELECT	47μF	20%	35V
C5535	1-126-947-11	ELECT	47μF	20%	35V
C5540	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5548	1-137-194-81	FILM	0.47μF	5%	50V
C5550	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5551	1-126-947-11	ELECT	47μF	20%	35V
C5552	1-126-947-11	ELECT	47μF	20%	35V
C5598	1-126-947-11	ELECT	47μF	20%	35V
C5609	1-104-665-11	ELECT	100μF	20%	25V
C5623	1-104-665-11	ELECT	100μF	20%	25V
C6502	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C6503	1-131-940-11	ELECT	1200μF	20%	250V
C6507	1-130-495-00	MYLAR	0.1μF	5%	50V
C6508	1-126-947-11	ELECT	47μF	20%	35V
C6510	1-130-495-00	MYLAR	0.1μF	5%	50V
C6511	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C6513	1-126-940-11	ELECT	330μF	20%	25V
C6514	1-126-767-11	ELECT	1000μF	20%	16V
C6515	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C6516	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C6517	1-126-963-11	ELECT	4.7μF	20%	50V
C6518	1-136-479-11	FILM	0.001μF	5%	100V
C6519	1-126-964-11	ELECT	10μF	20%	50V
C6525	1-125-969-91	CERAMIC	680pF	10%	1KV
C6526	1-125-969-91	CERAMIC	680pF	10%	1KV
C6532	1-137-741-22	FILM	39000pF	3%	800V
C6546	1-126-974-11	ELECT	3300μF	20%	50V
C6549	1-126-969-11	ELECT	220μF	20%	50V
C6550	1-126-968-11	ELECT	100μF	20%	50V
C6551	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C6552	1-126-937-11	ELECT	4700μF	20%	16V
C6554	1-126-768-11	ELECT	2200μF	20%	16V
	(KD-36XS955 ONLY)				
C6554	1-126-937-11	ELECT	4700μF	20%	16V
	(ALL EXCEPT KD-36XS955)				
C6555	1-104-665-11	ELECT	100μF	20%	25V
C6556	1-131-867-51	ELECT	100μF		160V
C6557	1-107-654-11	ELECT	33μF	20%	250V

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
C6558	1-126-967-11	ELECT	47μF	20%	50V
C6559	1-126-942-61	ELECT	1000μF	20%	25V
C6584	1-165-528-31	MYLAR	0.1μF	10	0V
C6590	1-131-940-11	ELECT	1200μF	20%	250V
C6592	1-119-898-51	CERAMIC	470pF	10%	250V
C6593	1-126-768-11	ELECT	2200μF	20%	16V
C6595	1-104-666-11	ELECT	220μF	20%	25V
C6596	1-126-960-11	ELECT	1μF	20%	50V
C6597	1-126-943-11	ELECT	2200μF	20%	25V
C8001	1-126-964-11	ELECT	10μF	20%	50V
C8002	1-126-964-11	ELECT	10μF	20%	50V
C8003	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8005	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C8006	1-126-960-11	ELECT	1μF	20%	50V
C8007	1-162-971-11	CERAMIC CHIP	0.001μF	10%	50V
C8012	1-126-947-11	ELECT	47μF	20%	35V
C8015	1-126-947-11	ELECT	47μF	20%	35V
C8016	1-130-495-00	MYLAR	0.1μF	5%	50V
C8017	1-126-964-11	ELECT	10μF	20%	50V
C8018	1-126-964-11	ELECT	10μF	20%	50V
C8020	1-130-495-00	MYLAR	0.1μF	5%	50V
C8021	1-162-974-11	CERAMIC CHIP	0.01μF		50V
C8024	1-126-967-11	ELECT	47μF	20%	50V
C8025	1-126-947-11	ELECT	47μF	20%	35V
C8027	1-130-495-00	MYLAR	0.1μF	5%	50V
C8028	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C8030	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C8031	1-104-663-11	ELECT	33μF	20%	25V
C8032	1-136-813-11	FILM	680pF	5%	100V
C8033	1-126-964-11	ELECT	10μF	20%	50V
C8035	1-100-614-81	CERAMIC	330pF	5%	1KV
C8036	1-100-614-81	CERAMIC	330pF	5%	1KV
C8037	1-165-953-11	FILM	47000pF	3%	800V
C8040	1-126-969-11	ELECT	220μF	20%	50V
C8041	1-130-777-00	MYLAR	0.1μF	5%	100V
C8042	1-136-189-00	MYLAR	0.1μF	10%	250V
C8045	1-130-475-00	MYLAR	0.0022μF	5%	50V
C8046	1-107-444-11	CERAMIC CHIP	100pF	5%	2KV
	(KD-36XS955 ONLY)				
C8047	1-162-130-11	CERAMIC CHIP	180pF	10%	2KV
	(KD-36XS955 ONLY)				
C8048	1-137-378-11	MYLAR	0.22μF	5%	50V
C8050	1-100-122-31	FILM	0.022μF	5%	400V
C8051	1-126-964-11	ELECT	10μF	20%	50V
C8052	1-104-665-11	ELECT	100μF	20%	25V
C8053	1-162-117-00	CERAMIC	100pF	10%	500V
C8054	1-102-244-00	CERAMIC	220pF	10%	500V
C8055	1-100-144-31	FILM	0.0068μF	5%	630V
	(ALL EXCEPT KD-36XS955)				
C8055	1-136-535-91	FILM	0.0018μF	5%	630V
	(KD-36XS955 ONLY)				
C8056	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8058	1-137-194-81	FILM	0.47μF	5%	50V
C8059	1-126-947-11	ELECT	47μF	20%	35V
C8060	1-106-371-00	MYLAR	0.015μF	20%	200V
	(ALL EXCEPT KD-36XS955)				
C8060	1-107-635-11	MYLAR	4.7μF	20%	160V
	(KD-36XS955 ONLY)				
C8063	1-165-607-91	FILM	10000pF	3%	800V
C8065	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V
C8073	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C8074	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8075	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8076	1-126-963-11	ELECT	4.7μF	20%	50V
C8077	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8079	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V
C8139	1-165-176-11	CERAMIC CHIP	0.047μF	10%	16V

CONNECTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
* CN5001	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P
* CN5002	1-580-798-11	CONNECTOR PIN (DY)	6P
* CN5003	1-564-507-11	PLUG, CONNECTOR	4P
* CN5009	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P
* CN5011	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P
* CN5509	1-564-515-11	PLUG, CONNECTOR	12P
* CN6502	1-766-240-11	PIN, CONNECTOR (PC BOARD)	2P
* CN6503	1-564-508-11	PLUG, CONNECTOR	5P
* CN6504	1-564-515-11	PLUG, CONNECTOR	12P
* CN6506	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P

DIODE

REF. NO.	PART NO.	DESCRIPTION	VALUES
D5001	8-719-083-60	DIODE	UDZSTE-174.7B
D5002	8-719-908-03	DIODE	GP08D
D5003	8-719-028-45	DIODE	D2L20U
D5004	8-719-083-82	DIODE	UDZS-TE17-12B
D5005	8-719-404-50	DIODE	MA111-TX

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

DZ

REF. NO.	PART NO.	DESCRIPTION	VALUES
D5006	8-719-404-50	DIODE	MA111-TX
D5007	8-719-404-50	DIODE	MA111-TX
D5008	8-719-404-50	DIODE	MA111-TX
D5010	8-719-404-50	DIODE	MA111-TX
D5011	8-719-109-63	DIODE	RD3.0ESB2
D5014	8-719-075-66	DIODE	D5LC20U-4012
D5015	8-719-948-45	DIODE	ERA22-08
	(KD-36XS955 ONLY)		
D5016	8-719-028-45	DIODE	D2L20U
D5017	8-719-028-45	DIODE	D2L20U
D5018	8-719-083-83	DIODE	UDZS-TE17-15B
D5019	8-719-404-50	DIODE	MA111-TX
D5020	8-719-948-45	DIODE	ERA22-08
	(KD-36XS955 ONLY)		
D5023	8-719-061-21	DIODE	FMQ-G5FMS
D5027	8-719-404-50	DIODE	MA111-TX
D5028	8-719-404-50	DIODE	MA111-TX
D5032	8-719-404-50	DIODE	MA111-TX
D5035	8-719-302-43	DIODE	EL1Z
D5036	8-719-302-43	DIODE	EL1Z
D5501	8-719-404-50	DIODE	MA111-TX
D5502	8-719-404-50	DIODE	MA111-TX
D5504	8-719-404-50	DIODE	MA111-TX
D5506	8-719-404-50	DIODE	MA111-TX
D5508	8-719-404-50	DIODE	MA111-TX
D5511	8-719-062-51	DIODE	1PS226-115
D5512	8-719-062-51	DIODE	1PS226-115
D5513	8-719-404-50	DIODE	MA111-TX
D5514	8-719-060-90	DIODE	S2L60F
D5515	8-719-404-50	DIODE	MA111-TX
D6502	8-719-979-64	DIODE	UF4005PKG23
D6504	8-719-075-66	DIODE	D5LC20U-4012
	(KD-36XS955 ONLY)		
D6504	8-719-510-12	DIODE	D10SC4M
	(ALL EXCEPT KD-36XS955)		
D6505	8-719-404-50	DIODE	MA111-TX
D6508	8-719-982-27	DIODE	MTZJ-33C
D6509	8-719-068-00	DIODE	ERC04-06SE
D6510	8-719-068-00	DIODE	ERC04-06SE
D6513	8-719-510-12	DIODE	D10SC4M
D6514	8-719-060-89	DIODE	D4SBS6-F
D6516	8-719-075-66	DIODE	D5LC20U-4012
D6518	8-719-052-90	DIODE	D1NL40-TA2
D6519	8-719-063-74	DIODE	D1NL20U-TR2
D6520	8-719-063-74	DIODE	D1NL20U-TR2
D6521	8-719-404-50	DIODE	MA111-TX
D6523	8-719-060-89	DIODE	D4SBS6-F
D6524	8-719-062-40	DIODE	D4SBL20µF3
D6525	8-719-982-27	DIODE	MTZJ-33C
D6530	8-719-510-53	DIODE	D4SB60L
D6532	8-719-948-45	DIODE	ERA22-08
D6533	8-719-404-50	DIODE	MA111-TX
D6534	8-719-404-50	DIODE	MA111-TX
D6537	8-719-404-50	DIODE	MA111-TX
D6538	8-719-109-85	DIODE	RD5.1ESB2
D8001	8-719-404-50	DIODE	MA111-TX
D8003	8-719-404-50	DIODE	MA111-TX
D8005	8-719-404-50	DIODE	MA111-TX
D8006	8-719-063-74	DIODE	D1NL20U-TR2
D8007	8-719-404-50	DIODE	MA111-TX
D8009	8-719-083-83	DIODE	UDZS-TE17-15B
D8010	8-719-979-64	DIODE	µF4005PKG23
D8011	8-719-110-41	DIODE	RD15ESB2
D8012	8-719-110-41	DIODE	RD15ESB2
D8013	8-719-083-83	DIODE	UDZS-TE17-15B
D8014	8-719-083-83	DIODE	UDZS-TE17-15B
D8015	8-719-404-50	DIODE	MA111-TX
D8016	8-719-948-45	DIODE	ERA22-08
D8017	8-719-948-45	DIODE	ERA22-08
D8018	8-719-948-45	DIODE	ERA22-08
⚠ D8022	8-719-063-74	DIODE	D1NL20U-TR2
D8023	8-719-109-85	DIODE	RD5.1ESB2
D8024	8-719-109-85	DIODE	RD5.1ESB2
D8026	8-719-404-50	DIODE	MA111-TX
D8028	8-719-069-54	DIODE	UDZSTE-175.1B
D8030	8-719-083-66	DIODE	UDZSTE-1718B
D8034	8-719-921-63	DIODE	MTZJ-7.5B
D8140	8-719-404-50	DIODE	MA111-TX

FERRITE BEAD

REF. NO.	PART NO.	DESCRIPTION	VALUES
FB5001	1-410-397-21	FERRITE	1.1µH
FB5002	1-543-298-11	FERRITE	0µH
FB5003	1-410-397-21	FERRITE	1.1µH
FB6501	1-410-397-21	FERRITE	1.1µH
FB6508	1-410-396-41	FERRITE	0.45µH
FB6509	1-410-396-41	FERRITE	0.45µH
FB6519	1-410-397-21	FERRITE	1.1µH

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

DZ

REF. NO.	PART NO.	DESCRIPTION	VALUES
FB6520	1-412-911-11	FERRITE	0μH
FB6521	1-412-911-11	FERRITE	0μH
FB8001	1-412-911-11	FERRITE	0μH
FB8002	1-412-911-11	FERRITE	0μH

IC

REF. NO.	PART NO.	DESCRIPTION	VALUES
IC5001	8-759-701-01	IC	NJM2904M
IC5002	8-759-700-07	IC	NJM2903M
IC5003	8-759-701-01	IC	NJM2904M
IC5004	8-759-192-71	IC	STV9379
IC5005	8-759-803-42	IC	LA6500-FA
IC5006	8-749-013-76	IC	PQ6RD83B
IC5007	8-759-981-61	IC	LM2901M
IC5502	8-759-981-61	IC	LM2901M
IC5504	8-759-803-42	IC	LA6500-FA
IC5506	8-759-803-42	IC	LA6500-FA
IC5511	8-759-701-01	IC	NJM2904M
IC5512	8-759-929-65	IC	LM7912CT
IC5515	8-759-701-01	IC	NJM2904M
IC6501	6-705-810-01	IC	MCZ3001DB
IC6502	6-700-897-01	IC	PQ12RD21
⚠ IC6503	8-749-012-13	IC	DM-58
IC6505	8-749-921-86	IC	SE-140N
⚠ IC8001	8-759-700-07	IC	NJM2903M
⚠ IC8002	6-705-810-01	IC	MCZ3001DB
⚠ IC8004	8-759-701-01	IC	NJM2904M
⚠ IC8005	6-706-127-01	IC	TL1431ACZ-AP
IC8006	8-759-700-07	IC	NJM2903M
⚠ IC8104	6-706-127-01	IC	TL1431ACZ-AP

CHIP CONDUCTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
JR5000	1-216-864-11	SHORT CHIP	
JR5001	1-216-864-11	SHORT CHIP	
JR5002	1-216-864-11	SHORT CHIP	
JR5003	1-216-864-11	SHORT CHIP	
JR5004	1-216-864-11	SHORT CHIP	
JR5005	1-216-864-11	SHORT CHIP	
JR5006	1-216-864-11	SHORT CHIP	
JR5007	1-216-864-11	SHORT CHIP	
JR5008	1-216-864-11	SHORT CHIP	
JR5009	1-216-864-11	SHORT CHIP	
JR5010	1-216-864-11	SHORT CHIP	
JR5011	1-216-864-11	SHORT CHIP	
JR5012	1-216-864-11	SHORT CHIP	
JR5013	1-216-864-11	SHORT CHIP	
JR5014	1-216-864-11	SHORT CHIP	
JR5015	1-216-864-11	SHORT CHIP	
JR5016	1-216-864-11	SHORT CHIP	
JR5017	1-216-864-11	SHORT CHIP	
JR5065	1-216-864-11	SHORT CHIP	
JR5501	1-216-864-11	SHORT CHIP	
JR5504	1-216-864-11	SHORT CHIP	
JR5505	1-216-864-11	SHORT CHIP	
JR8000	1-216-864-11	SHORT CHIP	
JR8001	1-216-864-11	SHORT CHIP	
JR8002	1-216-864-11	SHORT CHIP	
JR8003	1-216-864-11	SHORT CHIP	
JR8005	1-216-864-11	SHORT CHIP	
JR8006	1-216-864-11	SHORT CHIP	
JR8007	1-216-864-11	SHORT CHIP	
JR8022	1-216-864-11	SHORT CHIP	
JR8023	1-216-864-11	SHORT CHIP	
JR8050	1-216-864-11	SHORT CHIP	
JR8051	1-216-864-11	SHORT CHIP	
	(KD-30XS955 ONLY)		

COIL

REF. NO.	PART NO.	DESCRIPTION	VALUES
L5001	1-406-665-11	INDUCTOR	100μH
L5003	1-406-892-31	INDUCTOR	4MH
L5005	1-424-874-11	COIL, HORIZONTAL LINEARITY	
	(KD-36XS955 ONLY)		
L5005	1-424-997-11	COIL, HORIZONTAL LINEARITY	
	(KD-30XS955 ONLY)		
L5005	1-428-895-11	COIL, HORIZONTAL LINEARITY	
	(KD-34XBR960/36XS955 ONLY)		
L5504	1-406-987-21	INDUCTOR	4.7MH
	(ALL EXCEPT KD-36XS955)		
L5504	1-406-989-21	INDUCTOR	10MH
	(KD-36XS955 ONLY)		
L5505	1-406-989-21	INDUCTOR	10MH
L5506	1-406-987-21	INDUCTOR	4.7MH
	(ALL EXCEPT KD-36XS955)		
L6501	1-412-525-31	INDUCTOR	10μH
L6502	1-412-525-31	INDUCTOR	10μH

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

DZ

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	L6503	1-412-525-31	INDUCTOR	10μH	
	L6505	1-406-665-11	INDUCTOR	100μH	
	L6506	1-412-525-31	INDUCTOR	10μH	
	L6507	1-412-525-31	INDUCTOR	10μH	
	L6510	1-412-523-41	INDUCTOR	6.8μH	
	L6511	1-412-523-41	INDUCTOR	6.8μH	
	L6514	1-412-525-31	INDUCTOR	10μH	
	L6517	1-412-521-31	INDUCTOR	4.7μH	
	L6518	1-412-521-31	INDUCTOR	4.7μH	
	L8002	1-428-950-31	INDUCTOR	125μH	
	L8005	1-406-670-11 (ALL EXCEPT KD-36XS955)	INDUCTOR	680μH	
	L8005	1-406-674-11 (KD-36XS955 ONLY)	INDUCTOR	3.3MH	
		PHOTO COUPLER			
	PH6501	8-749-016-81	PHOTO COUPLER	PC123Y22	
	PH6502	8-749-016-81	PHOTO COUPLER	PC123Y22	
	PH8001	8-749-016-81	PHOTO COUPLER	PC123Y22	
⚠	PH8003	8-749-016-81	PHOTO COUPLER	PC123Y22	
	PH8004	8-749-016-81	PHOTO COUPLER	PC123Y22	
		IC LINK			
	PS6505	1-576-288-42	IC LINK	10A	90V
	PS6506	1-576-288-42	IC LINK	10A	90V
	PS6550	1-576-288-42	IC LINK	10A	90V
		TRANSISTOR			
	Q5001	8-729-422-27	TRANSISTOR	2SD601A-Q	
	Q5002	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
	Q5003	8-729-027-97	TRANSISTOR	IRFI9630G-LF	
	Q5004	8-729-019-57	TRANSISTOR	2SA1208S-TP	
	Q5005	8-729-422-27	TRANSISTOR	2SD601A-Q	
	Q5006	8-729-422-27	TRANSISTOR	2SD601A-Q	
	Q5007	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
	Q5008	8-729-422-27	TRANSISTOR	2SD601A-Q	
	Q5009	8-729-422-27	TRANSISTOR	2SD601A-Q	
	Q5010	8-729-422-27	TRANSISTOR	2SD601A-Q	
	Q5011	8-729-422-27	TRANSISTOR	2SD601A-Q	
	Q5012	8-729-119-80	TRANSISTOR	2SC2688-LK	
	Q5013	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
	Q5014	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
	Q5015	8-729-046-80	TRANSISTOR	2SC4634LS-CB11	

	REF. NO.	PART NO.	DESCRIPTION	VALUES
	Q5018	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5019	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5020	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q5021	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5022	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q5023	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5024	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5025	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q5026	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5027	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q5028	8-729-038-83	TRANSISTOR	2SK2251-01-F19
	Q5030	6-550-168-01	TRANSISTOR	2SC5682-RB
	Q5031	6-550-188-01	TRANSISTOR	2SK3579-01MR-F119
	Q5035	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5036	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5501	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5502	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5503	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5504	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q5505	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5506	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5507	8-729-052-29	TRANSISTOR	2SK2876-01MR-F122
	Q5510	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5512	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5513	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5568	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q5569	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q6506	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
	Q6507	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
	Q6522	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q6527	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q6530	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q6532	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q8003	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q8004	8-729-422-27	TRANSISTOR	2SD601A-Q
⚠	Q8007	8-729-422-27	TRANSISTOR	2SD601A-Q
⚠	Q8008	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q8011	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q8013	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
	Q8014	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
	Q8015	8-729-119-80	TRANSISTOR	2SC2688-LK
	Q8016	8-729-045-65	TRANSISTOR	2SA1776TV2Q
	Q8018	8-729-043-95	TRANSISTOR	2SC3840(3)
	Q8019	8-729-422-27	TRANSISTOR	2SD601A-Q

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q8020	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q8021	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q8022	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q8023	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q8028	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q8034	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q8035	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
	RESISTOR				
R5001	1-216-797-11	METAL CHIP	10	5%	1/10W
R5002	1-216-813-11	METAL CHIP	220	5%	1/10W
R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5004	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
R5005	1-216-813-11	METAL CHIP	220	5%	1/10W
R5007	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
R5008	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5009	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
R5010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5011	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
R5012	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5013	1-216-373-11	METAL OXIDE	2.2	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5013	1-216-393-00	METAL OXIDE	2.2		3W
	(KD-36XS955 ONLY)				
R5014	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	(KD-36XS955 ONLY)				
R5014	1-218-698-11	METAL CHIP	1.8K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5014	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5015	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5016	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5016	1-208-834-11	METAL CHIP	150K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5017	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5017	1-208-834-11	METAL CHIP	150K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5017	1-208-836-11	METAL CHIP	180K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5018	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5019	1-216-833-11	METAL CHIP	10K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5020	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R5023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5024	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5025	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R5026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5027	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5028	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5029	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5030	1-216-864-11	SHORT CHIP			
R5031	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5033	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5035	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5035	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5036	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5037	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5038	1-216-834-11	METAL CHIP	12K	5%	1/10W
R5040	1-218-748-11	METAL CHIP	220K	0.50%	1/10W
R5041	1-249-383-11	CARBON	1.5	5%	1/4W
R5042	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5043	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5044	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5045	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5046	1-214-798-21	METAL	1.8	1%	1/2W
R5047	1-249-421-11	CARBON	2.2K	5%	1/4W
R5048	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5049	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5050	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5051	1-249-414-11	CARBON	560	5%	1/4W
R5052	1-214-796-00	METAL	1.5	1%	1/2W
R5053	1-215-890-11	METAL OXIDE	470	5%	2W
	(KD-36XS955 ONLY)				
R5053	1-215-892-11	METAL OXIDE	1K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5060	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5062	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5063	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5063	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5064	1-218-748-11	METAL CHIP	220K	0.50%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5065	1-218-749-11	METAL CHIP	240K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5065	1-218-750-11	METAL CHIP	270K	0.5%	1/10W
	(KD-36XS955 ONLY)				
R5066	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5066	1-218-746-11	METAL CHIP	180K	0.5%	1/10W
	(KD-36XS955 ONLY)				
R5066	1-218-748-11	METAL CHIP	220K	0.5%	1/10W
	(KD-30XS955 ONLY)				
R5068	1-218-742-11	METAL CHIP	120K	0.5%	1/10W
	(KD-36XS955 ONLY)				
R5068	1-218-750-11	METAL CHIP	270K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5069	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5070	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R5071	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R5072	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5073	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5074	1-260-328-11	CARBON	1K	5%	1/2W
R5075	1-249-377-11	METAL OXIDE	0.47	5%	1/4W
	(KD-36XS955 ONLY)				
R5076	1-215-900-11	METAL OXIDE	22K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5076	1-215-903-11	METAL OXIDE	68K	5%	2W
	(KD-36XS955 ONLY)				
R5077	1-215-900-11	METAL OXIDE	22K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5077	1-215-903-11	METAL OXIDE	68K	5%	2W
	(KD-36XS955 ONLY)				
R5078	1-218-684-11	METAL CHIP	470	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5078	1-218-692-11	METAL CHIP	1K	0.5%	1/10W
	(KD-36XS955 ONLY)				
R5079	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
R5080	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5081	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5081	1-218-740-11	METAL CHIP	100K	0.5%	1/10W
	(KD-36XS955 ONLY)				
R5082	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5083	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R5084	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5085	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5086	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5087	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5090	1-216-369-00	METAL OXIDE	1	5%	2W
R5091	1-249-389-11	CARBON	4.7	5%	1/4W
R5092	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5093	1-218-717-11	METAL CHIP	11K	0.50%	1/10W
R5095	1-249-377-11	CARBON	0.47	5%	1/4W
R5096	1-249-377-11	CARBON	0.47	5%	1/4W
R5097	1-249-380-11	CARBON	0.82	5%	1/4W
R5098	1-249-379-11	CARBON	0.68	5%	1/4W
R5101	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5102	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5103	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R5104	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5105	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5106	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5107	1-249-393-11	CARBON	10	5%	1/4W
R5108	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
R5109	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
R5110	1-249-401-11	CARBON	47	5%	1/4W
R5111	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R5112	1-216-813-11	METAL CHIP	220	5%	1/10W
R5113	1-260-107-11	CARBON	4.7K	5%	1/2W
R5115	1-249-417-11	CARBON	1K	5%	1/4W
R5116	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5117	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5118	1-216-797-11	METAL CHIP	10	5%	1/10W
R5120	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
R5124	1-216-809-11	METAL CHIP	100	5%	1/10W
R5125	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5126	1-216-809-11	METAL CHIP	100	5%	1/10W
R5127	1-215-890-11	METAL OXIDE	470	5%	2W
	(KD-36XS955 ONLY)				
R5127	1-215-892-11	METAL OXIDE	1K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5128	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R5129	1-216-809-11	METAL CHIP	100	5%	1/10W
R5130	1-216-797-11	METAL CHIP	10	5%	1/10W
R5131	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5131	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5131	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
	(KD-30XS955 ONLY)				

DZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5132	1-215-895-11	METAL OXIDE	3.3K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5132	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-36XS955 ONLY)				
R5133	1-215-895-11	METAL OXIDE	3.3K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5133	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-36XS955 ONLY)				
R5135	1-215-895-11	METAL OXIDE	3.3K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5135	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-36XS955 ONLY)				
R5136	1-215-895-11	METAL OXIDE	3.3K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5136	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-36XS955 ONLY)				
R5137	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5138	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5139	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5141	1-215-890-11	METAL OXIDE	470	5%	2W
R5142	1-216-365-00	METAL OXIDE	0.47	5%	2W
R5143	1-216-365-00	METAL OXIDE	0.47	5%	2W
R5144	1-216-365-00	METAL OXIDE	0.47	5%	2W
R5145	1-215-880-00	METAL OXIDE	10	5%	2W
R5146	1-249-437-11	CARBON	47K	5%	1/4W
R5147	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
	(KD-34XBR960/34XS955 ONLY)				
R5147	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5147	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R5148	1-215-865-11	METAL OXIDE	220	5%	1W
R5150	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5151	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5153	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5154	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5160	1-216-809-11	METAL CHIP	100	5%	1/10W
R5163	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R5164	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5165	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5170	1-215-896-00	METAL OXIDE	4.7K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5170	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-36XS955 ONLY)				
R5171	1-215-896-00	METAL OXIDE	4.7K	5%	2W
	(ALL EXCEPT KD-36XS955)				
R5171	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-36XS955 ONLY)				
R5172	1-260-288-11	CARBON	0.47	5%	1/2W
R5173	1-260-288-11	CARBON	0.47	5%	1/2W
R5176	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5501	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R5501	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R5502	1-216-864-11	SHORT CHIP			
R5503	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5505	1-218-750-11	METAL CHIP	270K	0.50%	1/10W
R5506	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5508	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5518	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
R5519	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5520	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5521	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5522	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5523	1-218-744-11	METAL CHIP	150K	0.50%	1/10W
R5524	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5525	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5526	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5529	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
R5530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5533	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5535	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5537	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R5538	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5539	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5540	1-214-800-11	METAL	2.2	1%	1/2W
R5541	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5542	1-216-837-11	METAL CHIP	22K	5%	1/10W

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DZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5543	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5544	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5545	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R5546	1-216-864-11	SHORT CHIP			
R5547	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5548	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5549	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5552	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5553	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5554	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R5555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5556	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5557	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5558	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5559	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
R5560	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5561	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5562	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
R5565	1-249-377-11	CARBON	0.47	5%	1/4W
R5566	1-249-401-11	CARBON	47	5%	1/4W
R5567	1-216-809-11	METAL CHIP	100	5%	1/10W
R5568	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5569	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5571	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5576	1-249-395-11	CARBON	15	5%	1/4W
R5578	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
R5579	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R5580	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5581	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5582	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5588	1-216-353-00	METAL OXIDE	2.2	5%	1W
R5589	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5590	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
R5591	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5592	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5593	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5597	1-218-750-11	METAL CHIP	270K	0.50%	1/10W
R5603	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5604	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5711	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5712	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R6501	1-218-662-11	METAL CHIP	56	0.50%	1/10W
R6502	1-260-131-11	CARBON	470K	5%	1/2W
R6503	1-216-835-11	METAL CHIP	15K	5%	1/10W
R6504	1-260-354-71	CARBON	150K	5%	1/2W
R6505	1-218-668-11	METAL CHIP	100	0.50%	1/10W
R6506	1-260-354-71	CARBON	150K	5%	1/2W
R6507	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6508	1-249-393-11	CARBON	10	5%	1/4W
R6509	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6510	1-249-393-11	CARBON	10	5%	1/4W
R6511	1-260-298-51	CARBON	3.3	5%	1/2W
R6513	1-245-478-31	METAL	470K	1%	1/4W
R6514	1-245-477-31	METAL	430K	1%	1/4W
R6515	1-260-131-11	CARBON	470K	5%	1/2W
⚠ R6516	1-244-207-11	WIREWOUND	3.3	5%	10W
R6517	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R6518	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
R6519	1-216-864-11	SHORT CHIP			
R6521	1-260-328-11	CARBON	1K	5%	1/2W
R6524	1-216-813-11	METAL CHIP	220	5%	1/10W
R6525	1-216-813-11	METAL CHIP	220	5%	1/10W
R6526	1-202-933-61	FUSIBLE	0.1	10%	1/2W
R6527	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6528	1-216-809-11	METAL CHIP	100	5%	1/10W
R6529	1-249-393-11	CARBON	10	5%	1/4W
R6530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6531	1-249-393-11	CARBON	10	5%	1/4W
R6532	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6533	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6536	1-249-417-11	CARBON	1K	5%	1/4W
R6537	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6538	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6539	1-215-900-11	METAL OXIDE	22K	5%	2W
R6542	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6544	1-216-864-11	SHORT CHIP			
R6545	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6547	1-216-864-11	SHORT CHIP			
R6548	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R6556	1-243-979-71	METAL OXIDE	0.1	5%	2W
R6557	1-243-979-71	METAL OXIDE	0.1	5%	2W
⚠ R6590	1-249-415-11	CARBON	680	5%	1/4W
R6593	1-249-405-11	CARBON	100	5%	1/4W

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	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R6595	1-249-377-11	CARBON	0.47	5%	1/4W
	R6602	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R6605	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R8001	1-216-809-11	METAL CHIP	100	5%	1/10W
	R8003	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R8004	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	R8005	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R8006	1-245-494-31	METAL	2.2M	2%	1/4W
	R8007	1-245-494-31	METAL	2.2M	2%	1/4W
	R8010	1-216-864-11	SHORT CHIP			
	R8011	1-216-849-11	METAL CHIP	220K	5%	1/10W
⚠	R8012	1-249-419-11	CARBON	1.5K	5%	1/4W
	R8013	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R8014	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
⚠	R8015	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
⚠	R8016	1-247-843-11	CARBON	3.3K	5%	1/4W
⚠	R8017	1-218-705-11	METAL CHIP	3.6K	0.50%	1/10W
⚠	R8019	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
	R8020	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R8021	1-218-681-11	METAL CHIP	360	0.50%	1/10W
		(ALL EXCEPT KD-30XS955)				
⚠	R8021	1-216-864-11	SHORT CHIP			
		(KD-30XS955 ONLY)				
	R8022	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R8024	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R8025	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R8026	1-218-698-11	METAL CHIP	1.8K	0.50%	1/10W
⚠	R8027	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
	R8028	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
⚠	R8029	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
⚠	R8030	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
⚠	R8031	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
	R8032	1-216-844-11	METAL CHIP	82K	5%	1/10W
	R8033	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠	R8035	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
⚠	R8036	1-215-415-00	METAL	560	1%	1/4W
		(ALL EXCEPT KD-30XS955)				
⚠	R8036	1-215-419-00	METAL	820	1%	1/4W
		(KD-30XS955 ONLY)				
⚠	R8037	1-215-445-00	METAL	10K	1%	1/4W
		(ALL EXCEPT KD-30XS955)				
⚠	R8037	1-215-447-00	METAL	12K	1%	1/4W
		(KD-30XS955 ONLY)				

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
⚠	R8038	1-215-445-00	METAL	10K	1%	1/4W
		(ALL EXCEPT KD-30XS955)				
⚠	R8038	1-215-447-00	METAL	12K	1%	1/4W
		(KD-30XS955 ONLY)				
⚠	R8039	1-215-445-00	METAL	10K	1%	1/4W
		(ALL EXCEPT KD-30XS955)				
⚠	R8039	1-215-447-00	METAL	12K	1%	1/4W
		(KD-30XS955 ONLY)				
⚠	R8040	1-215-445-00	METAL	10K	1%	1/4W
		(ALL EXCEPT KD-30XS955)				
⚠	R8040	1-215-443-00	METAL	8.2K	1%	1/4W
		(KD-30XS955 ONLY)				
	R8041	1-216-864-11	SHORT CHIP			
⚠	R8043	1-215-447-00	METAL	12K	1%	1/4W
⚠	R8046	1-218-696-11	METAL CHIP	1.5K	0.50%	1/10W
	R8049	1-218-668-11	METAL CHIP	100	0.50%	1/10W
	R8050	1-218-656-11	METAL CHIP	33	0.50%	1/10W
	R8051	1-202-933-61	FUSIBLE	0.1	10%	1/2W
⚠	R8052	1-218-738-11	METAL CHIP	82K	0.50%	1/10W
		(ALL EXCEPT KD-30XS955)				
⚠	R8052	1-218-745-11	METAL CHIP	160K	0.50%	1/10W
		(KD-30XS955 ONLY)				
	R8053	1-245-478-31	METAL	470K	1%	1/4W
	R8054	1-245-478-31	METAL	470K	1%	1/4W
	R8056	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
	R8057	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
	R8058	1-249-393-11	CARBON	10	5%	1/4W
⚠	R8059	1-216-813-11	METAL CHIP	220	5%	1/10W
⚠	R8060	1-216-813-11	METAL CHIP	220	5%	1/10W
	R8061	1-249-393-11	CARBON	10	5%	1/4W
	R8062	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R8063	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R8066	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R8069	1-249-421-11	CARBON	2.2K	5%	1/4W
	R8070	1-243-979-71	METAL OXIDE	0.1	5%	2W
⚠	R8072	1-249-377-11	CARBON	0.47	5%	1/4W
	R8076	1-249-409-11	CARBON	220	5%	1/4W
	R8077	1-216-864-11	SHORT CHIP			
⚠	R8078	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
⚠	R8079	1-249-431-11	CARBON	15K	5%	1/4W
	R8080	1-249-401-11	CARBON	47	5%	1/4W
⚠	R8082	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
	R8085	1-219-748-11	METAL	4.7K	5%	1/2W
	R8086	1-219-749-91	METAL	10K	5%	1/2W

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

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DZ

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R8087	1-216-864-11	SHORT CHIP			
R8088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8089	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8090	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8093	1-208-834-11	METAL CHIP	150K	0.50%	1/10W
R8096	1-216-864-11	SHORT CHIP			
R8097	1-216-797-11	METAL CHIP	10	5%	1/10W
R8098	1-249-441-11	CARBON	100K	5%	1/4W
	(KD-36XS955 ONLY)				
R8099	1-249-441-11	CARBON	100K	5%	1/4W
	(KD-36XS955 ONLY)				
R8100	1-249-441-11	CARBON	100K	5%	1/4W
	(KD-36XS955 ONLY)				
R8101	1-208-834-11	METAL CHIP	150K	0.50%	1/10W
R8102	1-249-433-11	CARBON	22K	5%	1/4W
R8103	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R8104	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8105	1-216-809-11	METAL CHIP	100	5%	1/10W
R8106	1-249-377-11	CARBON	0.47	5%	1/4W
R8108	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8109	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-34XBR960/34XS955 ONLY)				
R8109	1-215-918-00	METAL OXIDE	1.5K	5%	3W
	(KD-30XS955 ONLY)				
R8109	1-215-922-11	METAL OXIDE	6.8K	5%	3W
	(KD-36XS955 ONLY)				
R8110	1-208-842-11	METAL CHIP	330K	0.50%	1/10W
R8111	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-34XBR960/34XS955 ONLY)				
R8111	1-215-918-00	METAL OXIDE	1.5K	5%	3W
	(KD-30XS955 ONLY)				
R8111	1-215-922-11	METAL OXIDE	6.8K	5%	3W
	(KD-36XS955 ONLY)				
R8112	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8113	1-208-842-11	METAL CHIP	330K	0.50%	1/10W
R8114	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-34XBR960/34XS955 ONLY)				
R8114	1-215-918-00	METAL OXIDE	1.5K	5%	3W
	(KD-30XS955 ONLY)				
R8114	1-216-486-00	METAL OXIDE	8.2K	5%	3W
	(KD-36XS955 ONLY)				
R8115	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8116	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-34XBR960/34XS955 ONLY)				
R8116	1-215-918-00	METAL OXIDE	1.5K	5%	3W
	(KD-30XS955 ONLY)				
R8116	1-216-486-00	METAL OXIDE	8.2K	5%	3W
	(KD-36XS955 ONLY)				
R8117	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8118	1-216-839-11	METAL CHIP	33K	5%	1/10W
R8119	1-215-917-11	METAL OXIDE	1K	5%	3W
	(KD-34XBR960/34XS955 ONLY)				
R8119	1-215-918-00	METAL OXIDE	1.5K	5%	3W
	(KD-30XS955 ONLY)				
R8119	1-216-486-00	METAL OXIDE	8.2K	5%	3W
	(KD-36XS955 ONLY)				
R8123	1-216-809-11	METAL CHIP	100	5%	1/10W
R8124	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8125	1-216-797-11	METAL CHIP	10	5%	1/10W
R8126	1-216-797-11	METAL CHIP	10	5%	1/10W
R8135	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8136	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8137	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8138	1-216-857-11	METAL CHIP	1M	5%	1/10W
R8144	1-216-849-11	METAL CHIP	220K	5%	1/10W
R8145	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8146	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8150	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8151	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8158	1-216-809-11	METAL CHIP	100	5%	1/10W
R8159	1-216-835-11	METAL CHIP	15K	5%	1/10W
R8160	1-216-853-11	METAL CHIP	470K	5%	1/10W
R8161	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R8165	1-218-742-11	METAL CHIP	120K	0.50%	1/10W
R8200	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8203	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8204	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R8206	1-216-817-11	METAL CHIP	470	5%	1/10W

RELAY

REF. NO.	PART NO.	DESCRIPTION
⚠ RY6501	1-755-395-11	RELAY (AC POWER)
⚠ RY6502	1-755-389-11	RELAY (AC POWER)

SPARK GAP

REF. NO.	PART NO.	DESCRIPTION
SG8002	1-517-499-21	GAP, SPARK

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DZ HCX

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
		TRANSFORMER				
	T5001	1-437-523-61	HORIZONTAL OUTPUT TRANSFORMER			
		(ALL EXCEPT KD-36XS955)				
	T5001	1-437-669-21	HORIZONTAL OUTPUT TRANSFORMER			
		(KD-36XS955 ONLY)				
	T5002	1-435-636-21	TRANSFORMER, HORIZONTAL DRIVE			
	T6502	1-437-696-31	TRANSFORMER, CONVERTER			
⚠	T8001	1-453-464-11	FBT ASSY, NX-6200//X4J4			
	T8003	1-437-664-11	DYNAMIC FOCUS TRANSFORMER			
		(KD-36XS955 ONLY)				
	T8004	1-439-991-11	DYNAMIC FOCUS TRANSFORMER(DFT)			
		(ALL EXCEPT KD-36XS955)				
		THERMISTOR				
	TH5002	1-807-796-11	THERMISTOR			

HCX

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
*		**A-1303-039-A**	**HCX BOARD, COMPLETE**			
		(KD-34XBR960 ONLY)				
*		**A-1303-042-A**	**HCX BOARD, COMPLETE**			
		(ALL EXCEPT KD-34XBR960)				
		CAPACITOR				
	C1051	1-126-964-11	ELECT	10μF	20%	50V
	C1053	1-126-964-11	ELECT	10μF	20%	50V
	C1054	1-126-964-11	ELECT	10μF	20%	50V
	C1060	1-130-471-00	MYLAR	0.001μF	5%	50V
	C1061	1-130-495-00	MYLAR	0.1μF	5%	50V
	C1063	1-126-947-11	ELECT	47μF	20%	35V
	C1064	1-137-150-11	FILM	0.01μF	5%	100V
	C1065	1-137-150-11	FILM	0.01μF	5%	100V
	C1066	1-137-150-11	FILM	0.01μF	5%	100V
		CONNECTOR				
*	CN1052	1-564-509-11	PLUG, CONNECTOR 6P			
*	CN1053	1-564-510-11	PLUG, CONNECTOR 7P			
		DIODE				
	D1051	8-719-070-80	DIODE	LNK0120022G		
		(KD-34XBR960 ONLY)				
	D1052	8-719-070-80	DIODE	LNK0120022G		
	D1057	8-719-991-33	DIODE	1SS133T-77		

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	IC				
IC1051	8-742-212-20	HYB IC	SBX3081-71		
IC1052	8-759-729-01	IC	NJM2901N		
IC1055	6-600-275-01	IC	MPXA6115AC7U		
	TRANSISTOR				
Q1051	8-729-423-33	TRANSISTOR	2SC3311A-QRSTA		
Q1052	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q1060	8-729-423-33	TRANSISTOR	2SC3311A-QRSTA		
Q1061	8-729-119-76	TRANSISTOR	2SA1175-HFE		
	RESISTOR				
R1052	1-249-409-11	CARBON	220	5%	1/4W
R1053	1-249-409-11	CARBON	220	5%	1/4W
	(KD-34XBR960 ONLY)				
R1054	1-249-433-11	CARBON	22K	5%	1/4W
R1055	1-249-385-11	CARBON	2.2	5%	1/4W
R1056	1-249-417-11	CARBON	1K	5%	1/4W
R1057	1-249-417-11	CARBON	1K	5%	1/4W
R1058	1-215-442-00	METAL	7.5K	1%	1/4W
R1060	1-247-895-91	CARBON	470K	5%	1/4W
R1061	1-249-429-11	CARBON	10K	5%	1/4W
R1062	1-247-895-91	CARBON	470K	5%	1/4W
R1063	1-249-429-11	CARBON	10K	5%	1/4W
R1064	1-215-453-00	METAL	22K	1%	1/4W
R1065	1-215-457-00	METAL	33K	1%	1/4W
R1066	1-215-453-00	METAL	22K	1%	1/4W
R1067	1-215-461-00	METAL	47K	1%	1/4W
R1068	1-215-453-00	METAL	22K	1%	1/4W
R1069	1-215-465-00	METAL	68K	1%	1/4W
R1071	1-247-895-91	CARBON	470K	5%	1/4W
R1072	1-249-429-11	CARBON	10K	5%	1/4W
R1073	1-247-895-91	CARBON	470K	5%	1/4W
R1075	1-249-429-11	CARBON	10K	5%	1/4W
R1080	1-249-429-11	CARBON	10K	5%	1/4W
R1081	1-249-437-11	CARBON	47K	5%	1/4W
R1082	1-249-437-11	CARBON	47K	5%	1/4W
R1083	1-249-429-11	CARBON	10K	5%	1/4W
	SWITCH				
S1052	1-692-431-21	SWITCH, TACTILE			

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HCX CX

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	THERMISTOR				
TH1051	1-807-796-11	THERMISTOR			

CX

REF. NO.	PART NO.	DESCRIPTION	VALUES		
*	**A-1400-562-A**	**CX BOARD, MOUNTED**			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
	CAPACITOR				
C9004	1-115-350-51	CERAMIC	0.0047μF		2KV
C9009	1-163-104-00	CERAMIC CHIP	30pF	5%	50V
C9010	1-163-104-00	CERAMIC CHIP	30pF	5%	50V
C9011	1-161-830-00	CERAMIC	0.0047μF		500V
C9012	1-161-830-00	CERAMIC	0.0047μF		500V
C9013	1-163-035-00	CERAMIC CHIP	0.047μF		50V
C9014	1-161-830-00	CERAMIC	0.0047μF		500V
C9015	1-163-104-00	CERAMIC CHIP	30pF	5%	50V
C9018	1-107-961-91	ELECT	10μF	20%	250V
C9019	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9020	1-107-961-91	ELECT	10μF	20%	250V
C9021	1-107-961-91	ELECT	10μF	20%	250V
C9022	1-101-006-00	CERAMIC	0.047μF		50V
C9023	1-101-006-00	CERAMIC	0.047μF		50V
C9024	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9025	1-104-653-11	ELECT	220μF	20%	16V
C9026	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9027	1-101-006-00	CERAMIC	0.047μF		50V
C9031	1-115-349-51	CERAMIC	0.01μF		2KV
C9032	1-162-116-00	CERAMIC	680pF	10%	2KV
C9033	1-107-662-11	ELECT	22μF	20%	350V
C9036	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C9042	1-128-527-11	ELECT	330μF	20%	25V
C9044	1-126-934-11	ELECT	220μF	20%	16V
C9045	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9046	1-126-933-11	ELECT	100μF	20%	16V
C9048	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9049	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9050	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9051	1-165-319-11	CERAMIC CHIP	0.1μF		50V

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		CONNECTOR		
*	CN9001	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE)11P	
*	CN9002	1-564-507-11	PLUG, CONNECTOR 4P	
	CN9003	1-695-915-11	TAB (CONTACT)	
	CN9004	1-695-915-11	TAB (CONTACT)	
	CN9009	1-785-879-11	CONNECTOR, ONE TOUCH	
		DIODE		
	D9005	8-719-404-50	DIODE	MA111-TX
	D9006	8-719-051-85	DIODE	HSS83TD
	D9007	8-719-051-85	DIODE	HSS83TD
	D9008	8-719-051-85	DIODE	HSS83TD
	D9009	8-719-908-03	DIODE	GP08D
	D9010	8-719-110-17	DIODE	RD10ESB2
		IC		
	IC9001	8-759-680-01	IC	TDA6120Q/N2/S1
	IC9002	8-759-680-01	IC	TDA6120Q/N2/S1
	IC9003	8-759-680-01	IC	TDA6120Q/N2/S1
		JACK		
⚠	J9001	1-451-544-11	SOCKET, CRT	
		COIL		
	L9002	1-408-592-11	INDUCTOR	1.2μH
	L9003	1-408-592-11	INDUCTOR	1.2μH
	L9004	1-408-592-11	INDUCTOR	1.2μH
	L9005	1-406-666-21	INDUCTOR	150μH
	L9006	1-412-526-11	INDUCTOR	12μH
		NEON LAMP		
	NL9003	1-519-421-11	GAP, DISCHARGE	
		TRANSISTOR		
	Q9001	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	Q9003	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q9004	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q9005	8-729-422-27	TRANSISTOR	2SD601A-Q
	Q9007	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16

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CX HAX

REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q9009	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q9010	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q9011	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q9013	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q9014	8-729-823-81	TRANSISTOR	2SC4632LS-CB7		
Q9015	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
	RESISTOR				
R9001	1-216-633-11	METAL CHIP	180	0.50%	1/10W
R9006	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9007	1-208-783-11	METAL CHIP	1.1K	0.50%	1/10W
R9012	1-216-295-91	SHORT CHIP			
R9013	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9014	1-216-033-00	RES-CHIP	220	5%	1/10W
R9015	1-249-409-11	CARBON	220	5%	1/4W
R9016	1-216-033-00	RES-CHIP	220	5%	1/10W
R9018	1-216-633-11	METAL CHIP	180	0.50%	1/10W
R9019	1-216-633-11	METAL CHIP	180	0.50%	1/10W
R9020	1-216-025-11	RES-CHIP	100	5%	1/10W
R9021	1-216-103-00	RES-CHIP	180K	5%	1/10W
R9022	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9023	1-216-103-00	RES-CHIP	180K	5%	1/10W
R9025	1-216-025-11	RES-CHIP	100	5%	1/10W
R9026	1-208-783-11	METAL CHIP	1.1K	0.50%	1/10W
R9027	1-216-103-00	RES-CHIP	180K	5%	1/10W
R9028	1-216-103-00	RES-CHIP	180K	5%	1/10W
R9029	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9030	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9031	1-208-783-11	METAL CHIP	1.1K	0.50%	1/10W
R9032	1-216-103-00	RES-CHIP	180K	5%	1/10W
R9033	1-215-435-00	METAL	3.9K	1%	1/4W
R9034	1-215-428-00	METAL	2K	1%	1/4W
R9035	1-216-103-00	RES-CHIP	180K	5%	1/10W
R9036	1-216-083-00	RES-CHIP	27K	5%	1/10W
R9037	1-215-926-00	METAL OXIDE	33K	5%	3W
R9039	1-216-025-11	RES-CHIP	100	5%	1/10W
R9041	1-216-083-00	RES-CHIP	27K	5%	1/10W
R9042	1-216-083-00	RES-CHIP	27K	5%	1/10W
R9043	1-215-926-00	METAL OXIDE	33K	5%	3W
R9044	1-215-926-00	METAL OXIDE	33K	5%	3W
R9047	1-219-744-11	METAL	220	5%	1/2W
R9048	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9049	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9051	1-219-744-11	METAL	220	5%	1/2W
R9052	1-219-744-11	METAL	220	5%	1/2W
R9056	1-219-743-11	METAL	100	5%	1/2W
R9057	1-219-510-11	METAL	470K	5%	1/2W
R9059	1-219-746-11	METAL	1K	5%	1/2W
R9061	1-219-743-11	METAL	100	5%	1/2W
R9062	1-260-123-11	CARBON	100K	5%	1/2W
R9063	1-216-097-11	RES-CHIP	100K	5%	1/10W
R9070	1-249-403-11	CARBON	68	5%	1/4W
R9071	1-247-807-31	CARBON	100	5%	1/4W
R9072	1-216-025-11	RES-CHIP	100	5%	1/10W
R9073	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9074	1-208-782-11	METAL CHIP	1K	0.50%	1/10W
R9077	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9089	1-208-803-11	METAL CHIP	7.5K	0.50%	1/10W
R9091	1-215-429-00	METAL	2.2K	1%	1/4W
R9092	1-216-295-91	SHORT CHIP			
R9094	1-216-295-91	SHORT CHIP			
R9095	1-216-295-91	SHORT CHIP			
	VARIABLE RESISTOR				
⚠ RV9001	1-241-714-11	RES, ADJ, METAL FILM 110M			

HAX

REF. NO.	PART NO.	DESCRIPTION	VALUES		
*	**A-1405-292-A**	**HAX BOARD, MOUNTED**			
	CONNECTOR				
* CN1001	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE)	10P		
* CN1002	1-564-509-11	PLUG, CONNECTOR	6P		
	RESISTOR				
R1002	1-249-431-11	CARBON	15K	5%	1/4W
R1003	1-249-413-11	CARBON	470	5%	1/4W
R1004	1-249-415-11	CARBON	680	5%	1/4W
R1005	1-249-417-11	CARBON	1K	5%	1/4W
R1006	1-249-421-11	CARBON	2.2K	5%	1/4W
R1007	1-249-425-11	CARBON	4.7K	5%	1/4W
R1008	1-249-431-11	CARBON	15K	5%	1/4W
R1009	1-249-413-11	CARBON	470	5%	1/4W
R1010	1-249-415-11	CARBON	680	5%	1/4W

HAX HBZ WY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1011	1-249-417-11	CARBON	1K	5%	1/4W
R1012	1-249-421-11	CARBON	2.2K	5%	1/4W
R1013	1-249-425-11	CARBON	4.7K	5%	1/4W

SWITCH

REF. NO.	PART NO.	DESCRIPTION
S1001	1-762-837-11	SWITCH, TACTILE
S1002	1-762-837-11	SWITCH, TACTILE
S1003	1-692-431-21	SWITCH, TACTILE
S1004	1-762-837-11	SWITCH, TACTILE
S1005	1-692-431-21	SWITCH, TACTILE
S1006	1-762-837-11	SWITCH, TACTILE
S1007	1-692-431-21	SWITCH, TACTILE
S1008	1-762-837-11	SWITCH, TACTILE

HBZ

* **A-1415-859-A HBZ MOUNTED PC BOARD**

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C1100	1-126-960-11	ELECT	1μF	20%	50V
C1101	1-126-960-11	ELECT	1μF	20%	50V

CONNECTOR

REF. NO.	PART NO.	DESCRIPTION
* CN1100	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE)11P

DIODE

REF. NO.	PART NO.	DESCRIPTION	VALUES
D1100	8-719-977-28	DIODE	DTZ10B
D1101	8-719-977-28	DIODE	DTZ10B
D1103	8-719-977-28	DIODE	DTZ10B

FILTER

REF. NO.	PART NO.	DESCRIPTION	VALUES
FL1103	1-409-755-11	FERRITE	0μH
FL1104	1-409-755-11	FERRITE	0μH

JACK

REF. NO.	PART NO.	DESCRIPTION
J1100	1-770-053-12	TERMINAL BLOCK, S(LIGHT ANGLE)

CHIP CONDUCTOR

REF. NO.	PART NO.	DESCRIPTION
JR1100	1-216-864-11	SHORT CHIP
JR1101	1-216-864-11	SHORT CHIP
JR1102	1-216-864-11	SHORT CHIP
JR1103	1-216-864-11	SHORT CHIP
JR1104	1-216-864-11	SHORT CHIP
JR1105	1-216-864-11	SHORT CHIP
JR1106	1-216-864-11	SHORT CHIP
JR1107	1-216-864-11	SHORT CHIP

RESISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1100	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1101	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1102	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1103	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1104	1-216-864-11	SHORT CHIP			
R1105	1-216-864-11	SHORT CHIP			
R1106	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1107	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R1108	1-216-864-11	SHORT CHIP			

VARISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
VD1102	1-803-974-21	VARISTOR, CHIP	(1608)

WY

* **A-1062-018-A WY (VAR) BOARD, MOUNTED**
(KD-36XS955 ONLY)
* **A-1415-862-A WY (VAR) BOARD, MOUNTED**
(KD-34XBR960/34XS955 ONLY)
* **A-1415-869-A WY (VAR) BOARD, MOUNTED**
(KD-30XS955 ONLY)
4-382-854-01 SCREW (M3X8), P, SW (+)

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C9101	1-104-999-11	MYLAR	0.1μF	5%	200V
C9104	1-126-933-11	ELECT	100μF	20%	16V
C9105	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9106	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C9108	1-107-662-11	ELECT	22μF	20%	350V
C9109	1-161-830-00	CERAMIC	0.0047μF		500V
C9110	1-164-156-11	CERAMIC CHIP	0.1μF		25V

WY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C9111	1-126-964-11	ELECT	10μF	20%	50V
C9112	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9113	1-137-528-11	MYLAR	0.1μF	10%	250V
C9114	1-107-636-11	ELECT	10μF	20%	160V
C9115	1-137-528-11	MYLAR	0.1μF	10%	250V
C9116	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C9117	1-117-450-11	MYLAR	0.47μF	10%	250V
C9118	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9120	1-130-495-00	MYLAR	0.1μF	5%	50V
C9121	1-126-947-11	ELECT	47μF	20%	35V
C9125	1-130-495-00	MYLAR	0.1μF	5%	50V
C9126	1-126-947-11	ELECT	47μF	20%	35V
C9127	1-130-495-00	MYLAR	0.1μF	5%	50V
C9128	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9129	1-136-177-00	FILM	1μF	5%	50V
C9130	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9131	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9132	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
	(ALL EXCEPT KD-36XS955)				
C9132	1-216-864-11	SHORT CHIP			
	(KD-36XS955 ONLY)				
C9133	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	(ALL EXCEPT KD-36XS955)				
C9134	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9135	1-130-777-00	MYLAR	0.1μF	5%	100V
C9136	1-130-495-00	MYLAR	0.1μF	5%	50V
C9139	1-117-662-81	FILM	0.18μF	5%	250V
C9141	1-164-245-11	CERAMIC CHIP	0.015μF	10%	25V
C9142	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9143	1-126-947-11	ELECT	47μF	20%	35V
C9144	1-162-927-11	CERAMIC CHIP	100pF	5%	50V

CONNECTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
* CN9100	1-564-515-11	PLUG, CONNECTOR	12P
* CN9101	1-564-506-11	PLUG, CONNECTOR	3P
* CN9102	1-564-509-11	PLUG, CONNECTOR	6P
* CN9103	1-770-747-11	CONNECTOR, BOARD TO BOARD	12P
* CN9104	1-564-506-11	PLUG, CONNECTOR	3P
* CN9106	1-564-507-11	PLUG, CONNECTOR	4P

DIODE

REF. NO.	PART NO.	DESCRIPTION	VALUES
D9101	8-719-404-50	DIODE	MA111-TX
	(ALL EXCEPT KD-36XS955)		
D9102	8-719-083-83	DIODE	UDZS-TE17-15B
D9103	8-719-404-50	DIODE	MA111-TX
D9104	8-719-404-50	DIODE	MA111-TX

FERRITE BEAD

REF. NO.	PART NO.	DESCRIPTION	VALUES
FB9100	1-410-397-21	FERRITE	1.1μH
FB9101	1-410-397-21	FERRITE	1.1μH

IC

REF. NO.	PART NO.	DESCRIPTION	VALUES
IC9100	8-759-822-38	IC	LA6510
IC9102	8-759-822-38	IC	LA6510
IC9103	8-759-701-01	IC	NJM2904M

CHIP CONDUCTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
JR9100	1-216-864-11	SHORT CHIP	
JR9101	1-216-864-11	SHORT CHIP	
JR9102	1-216-864-11	SHORT CHIP	
JR9103	1-216-864-11	SHORT CHIP	
JR9104	1-216-864-11	SHORT CHIP	

COIL

REF. NO.	PART NO.	DESCRIPTION	VALUES
L9100	1-412-525-31	INDUCTOR	10μH
L9101	1-406-674-11	INDUCTOR	3.3MH
L9102	1-406-664-21	INDUCTOR	68μH

TRANSISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
Q9100	8-729-422-27	TRANSISTOR	2SD601A-Q
Q9101	8-729-422-27	TRANSISTOR	2SD601A-Q
Q9102	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q9103	8-729-422-27	TRANSISTOR	2SD601A-Q
Q9104	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q9105	8-729-422-27	TRANSISTOR	2SD601A-Q
Q9106	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q9107	8-729-422-27	TRANSISTOR	2SD601A-Q
Q9108	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q9109	8-729-422-27	TRANSISTOR	2SD601A-Q
Q9110	8-729-045-04	TRANSISTOR	2SC5511
Q9111	8-729-045-05	TRANSISTOR	2SA2005
Q9112	8-729-422-27	TRANSISTOR	2SD601A-Q
	(ALL EXCEPT KD-36XS955)		
Q9113	8-729-422-27	TRANSISTOR	2SD601A-Q

WY

REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q9114	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q9115	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q9116	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q9117	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q9118	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q9119	8-729-048-49	TRANSISTOR	2SK3262-01MR-F119		
Q9121	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q9122	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q9123	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q9124	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
Q9125	8-729-422-27	TRANSISTOR	2SD601A-Q		
	RESISTOR				
R9101	1-216-805-11	METAL CHIP	47	5%	1/10W
R9102	1-260-322-11	CARBON	330	5%	1/2W
R9103	1-216-819-11	METAL CHIP	680	5%	1/10W
R9104	1-216-820-11	METAL CHIP	820	5%	1/10W
R9105	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9106	1-218-715-11	METAL CHIP	9.1K	0.50%	1/10W
R9107	1-216-809-11	METAL CHIP	100	5%	1/10W
R9108	1-216-817-11	METAL CHIP	470	5%	1/10W
R9109	1-216-817-11	METAL CHIP	470	5%	1/10W
R9110	1-216-805-11	METAL CHIP	47	5%	1/10W
R9111	1-216-805-11	METAL CHIP	47	5%	1/10W
R9112	1-249-389-11	CARBON	4.7	5%	1/4W
R9113	1-249-389-11	CARBON	4.7	5%	1/4W
R9114	1-249-389-11	CARBON	4.7	5%	1/4W
R9115	1-249-389-11	CARBON	4.7	5%	1/4W
R9116	1-249-389-11	CARBON	4.7	5%	1/4W
R9117	1-249-389-11	CARBON	4.7	5%	1/4W
R9118	1-249-389-11	CARBON	4.7	5%	1/4W
R9119	1-249-389-11	CARBON	4.7	5%	1/4W
R9120	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R9121	1-216-848-11	METAL CHIP	180K	5%	1/10W
R9122	1-216-847-11	METAL CHIP	150K	5%	1/10W
R9123	1-216-848-11	METAL CHIP	180K	5%	1/10W
R9124	1-216-847-11	METAL CHIP	150K	5%	1/10W
R9125	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R9126	1-216-805-11	METAL CHIP	47	5%	1/10W
R9127	1-216-805-11	METAL CHIP	47	5%	1/10W
R9128	1-215-888-00	METAL OXIDE	220	5%	2W
R9130	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R9131	1-218-730-11	METAL CHIP	39K	0.50%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9132	1-218-713-11	METAL CHIP	7.5K	0.50%	1/10W
R9133	1-249-391-11	CARBON	6.8	5%	1/4W
R9134	1-249-383-11	CARBON	1.5	5%	1/4W
R9135	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R9138	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R9139	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R9140	1-216-864-11	SHORT CHIP			
R9141	1-214-657-11	METAL	1	1%	1/4W
R9142	1-214-657-11	METAL	1	1%	1/4W
R9143	1-216-429-00	METAL OXIDE	270	5%	1W
R9144	1-215-867-00	METAL OXIDE	470	5%	1W
R9145	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R9146	1-249-385-11	CARBON	2.2	5%	1/4W
R9147	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
R9148	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
R9149	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9150	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R9151	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R9151	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R9152	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R9152	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R9153	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9154	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
	(ALL EXCEPT KD-36XS955)				
R9154	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
	(KD-36XS955 ONLY)				
R9155	1-216-857-11	METAL CHIP	1M	5%	1/10W
	(ALL EXCEPT KD-36XS955)				
R9156	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R9158	1-216-837-11	METAL CHIP	22K	5%	1/10W
	(ALL EXCEPT KD-36XS955)				
R9159	1-216-864-11	SHORT CHIP			
	(ALL EXCEPT KD-36XS955)				
R9160	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R9162	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9164	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9166	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9167	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R9168	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9169	1-216-841-11	METAL CHIP	47K	5%	1/10W

WY PA

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9170	1-216-841-11	METAL CHIP	47K	5%	1/10W
R9171	1-249-401-11	CARBON	47	5%	1/4W
R9172	1-216-809-11	METAL CHIP	100	5%	1/10W
R9173	1-215-888-00	METAL OXIDE	220	5%	2W
R9174	1-216-352-11	METAL OXIDE	1.8	5%	1W
R9175	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R9176	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R9177	1-216-864-11	SHORT CHIP			
R9179	1-216-864-11	SHORT CHIP			
R9180	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	(KD-30XS955 ONLY)				
R9180	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
	(ALL EXCEPT KD-30XS955)				
R9181	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R9182	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R9185	1-249-385-11	CARBON	2.2	5%	1/4W
R9186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9187	1-249-389-11	CARBON	4.7	5%	1/4W
R9188	1-249-389-11	CARBON	4.7	5%	1/4W
R9189	1-249-389-11	CARBON	4.7	5%	1/4W
R9190	1-249-389-11	CARBON	4.7	5%	1/4W

PA

* **A-1085-903-A PA BOARD, COMPLETE**

The P and PA Boards are interchangeable.
Either board can be used as a replacement.

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.
Data is provided for reference only.

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C9507	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9508	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9509	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9510	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C9511	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9513	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9514	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9515	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9516	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9517	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9519	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9521	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9523	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9524	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9525	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9526	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9527	1-164-505-11	CERAMIC CHIP	2.2μF		16V
C9528	1-126-246-11	ELECT CHIP	220μF	20%	4V
C9529	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9530	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9531	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9532	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9533	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9534	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9535	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9537	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9538	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9540	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9541	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9542	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9543	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9545	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9546	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C9547	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9549	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9550	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9551	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9552	1-126-246-11	ELECT CHIP	220μF	20%	4V
C9553	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9554	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9555	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9557	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9558	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9559	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9560	1-126-246-11	ELECT CHIP	220μF	20%	4V
C9561	1-100-756-91	CERAMIC CHIP	0.047μF		50V
C9562	1-127-692-11	CERAMIC CHIP	10μF	10%	16V
C9563	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9566	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9570	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9571	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9575	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9576	1-126-394-11	ELECT CHIP	10μF	20%	16V

PA

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	C9578	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
	C9579	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
	C9583	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C9584	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9585	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9586	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9587	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9588	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9589	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9623	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9824	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
	C9825	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
	C9826	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
	C9828	1-126-394-11	ELECT CHIP	10μF	20%	16V
	C9830	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9831	1-126-394-11	ELECT CHIP	10μF	20%	16V
	C9832	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C9833	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C9835	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V
	C9836	1-126-394-11	ELECT CHIP	10μF	20%	16V
	C9839	1-126-394-11	ELECT CHIP	10μF	20%	16V
	C9841	1-100-118-21	ELECT CHIP	82μF	20%	16V
	C9842	1-137-897-21	ELECT CHIP	150μF	20%	4V
	C9843	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
		CONNECTOR				
*	CN9500	1-818-400-11	HDMI CONNECTOR			
	CN9504	1-564-593-11	PLUG, CONNECTOR	14P		
		DIODE				
	D9500	8-719-210-39	DIODE	EC10QS-04		
	D9501	6-500-294-01	DIODE	PTZ-TE25-3.9B		
	D9502	8-719-977-28	DIODE	DTZ10B		
	D9503	8-719-977-28	DIODE	DTZ10B		
	D9506	8-719-404-50	DIODE	MA111-TX		
	D9507	8-719-404-50	DIODE	MA111-TX		
		FERRITE BEAD				
	FB9504	1-414-235-22	FERRITE	0μH		
	FB9505	1-414-235-22	FERRITE	0μH		
	FB9506	1-414-235-22	FERRITE	0μH		
	FB9507	1-414-235-22	FERRITE	0μH		
	FB9508	1-414-235-22	FERRITE	0μH		
	FB9509	1-414-235-22	FERRITE	0μH		
	FB9510	1-414-235-22	FERRITE	0μH		
	FB9512	1-414-235-22	FERRITE	0μH		
		FILTER				
*	FL9501	1-813-308-11	INDUCTOR	0μH		
*	FL9504	1-813-308-11	INDUCTOR	0μH		
*	FL9505	1-813-308-11	INDUCTOR	0μH		
*	FL9506	1-813-308-11	INDUCTOR	0μH		
		IC				
	IC9500	6-706-257-01	IC	FMS6418AM16X		
	IC9502	6-704-819-01	IC	CS4335-KSZR		
	IC9503	6-704-407-01	IC	PQ1CZ41H2ZPH		
	IC9504	6-704-001-01	IC	BR24L02F-WE2		
	IC9505	6-704-499-01	IC	SII9993CTG100		
	IC9506	6-703-042-01	IC	CD4052BNSR		
	IC9509	6-550-014-01	TRANSISTOR	SSM6N15FU(TE85R)		
	IC9514	8-759-331-71	IC	NJM4558E(TE2)		
	IC9517	6-804-887-01	IC	MB89P965APFV1-G-5001E1		
	IC9521	8-759-642-22	IC	UPC29M05T-E2		
		JACK				
	J9503	1-794-623-11	JACK, PIN	2P		
		COIL				
	L9501	1-416-948-21	INDUCTOR	10μH		
	L9502	1-400-303-21	INDUCTOR	68μH		
		IC LINK				
	PS9500	1-576-415-21	FUSE	2A	32V	
		TRANSISTOR				
	Q9501	8-729-024-88	TRANSISTOR	MUN2212T1		
	Q9502	8-729-421-22	TRANSISTOR	UN2211		
	Q9503	8-729-027-62	TRANSISTOR	DTC144WKA-T146		
	Q9506	8-729-024-88	TRANSISTOR	MUN2212T1		
	Q9511	8-729-421-22	TRANSISTOR	UN2211		

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q9514	8-729-027-62	TRANSISTOR	DTC144WKA-T146		
Q9516	8-729-421-22	TRANSISTOR	UN2211		
Q9517	8-729-421-22	TRANSISTOR	UN2211		
	RESISTOR				
R9501	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9502	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9505	1-216-841-11	METAL CHIP	47K	5%	1/10W
R9506	1-216-864-11	SHORT CHIP			
R9507	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9508	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9509	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9510	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9511	1-216-803-11	METAL CHIP	33	5%	1/10W
R9512	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9513	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9514	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9515	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9516	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9517	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9518	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9519	1-216-803-11	METAL CHIP	33	5%	1/10W
R9520	1-216-816-11	METAL CHIP	390	5%	1/10W
R9526	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9528	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9529	1-216-850-11	METAL CHIP	270K	5%	1/10W
R9530	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9532	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W
R9533	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9534	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R9535	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9538	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R9539	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9541	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W
R9542	1-216-850-11	METAL CHIP	270K	5%	1/10W
R9543	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R9544	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9546	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9547	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9548	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9552	1-216-817-11	METAL CHIP	470	5%	1/10W
R9555	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9557	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9558	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9559	1-216-809-11	METAL CHIP	100	5%	1/10W
R9560	1-216-864-11	SHORT CHIP			
R9562	1-216-809-11	METAL CHIP	100	5%	1/10W
R9563	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9564	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9566	1-216-864-11	SHORT CHIP			
R9569	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9572	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9574	1-216-809-11	METAL CHIP	100	5%	1/10W
R9575	1-216-809-11	METAL CHIP	100	5%	1/10W
R9576	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9577	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9580	1-216-809-11	METAL CHIP	100	5%	1/10W
R9581	1-216-809-11	METAL CHIP	100	5%	1/10W
R9582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9584	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9585	1-216-809-11	METAL CHIP	100	5%	1/10W
R9586	1-216-809-11	METAL CHIP	100	5%	1/10W
R9592	1-216-809-11	METAL CHIP	100	5%	1/10W
R9595	1-216-817-11	METAL CHIP	470	5%	1/10W
R9597	1-216-803-11	METAL CHIP	33	5%	1/10W
R9602	1-216-809-11	METAL CHIP	100	5%	1/10W
R9606	1-216-864-11	SHORT CHIP			
R9611	1-216-864-11	SHORT CHIP			
R9612	1-216-864-11	SHORT CHIP			
R9614	1-216-809-11	METAL CHIP	100	5%	1/10W
R9615	1-216-809-11	METAL CHIP	100	5%	1/10W
R9616	1-216-809-11	METAL CHIP	100	5%	1/10W
R9623	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9624	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9625	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9627	1-216-809-11	METAL CHIP	100	5%	1/10W
R9850	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9852	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R9853	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9854	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9860	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9864	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W

PA

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9868	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9869	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9882	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9884	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9885	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9886	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9887	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9888	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R9890	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9891	1-216-809-11	METAL CHIP	100	5%	1/10W

RESISTOR BRIDGE

REF. NO.	PART NO.	DESCRIPTION	VALUES
RB9500	1-234-524-21	RES, CHIP NETWORK 33	(3216)
RB9510	1-233-576-11	RES, CHIP NETWORK 100	(3216)
RB9511	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB9512	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB9517	1-236-908-11	NETWORK RESISTOR(CHIP)	10K

VARISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES
VD9500	6-500-701-01	DIODE	PGB1010603NR
VD9501	6-500-701-01	DIODE	PGB1010603NR
VD9502	6-500-701-01	DIODE	PGB1010603NR
VD9503	6-500-701-01	DIODE	PGB1010603NR
VD9504	6-500-701-01	DIODE	PGB1010603NR
VD9505	6-500-701-01	DIODE	PGB1010603NR
VD9506	6-500-701-01	DIODE	PGB1010603NR
VD9507	6-500-701-01	DIODE	PGB1010603NR
VD9518	6-500-701-01	DIODE	PGB1010603NR
VD9519	6-500-701-01	DIODE	PGB1010603NR

CRYSTAL

REF. NO.	PART NO.	DESCRIPTION
X9501	1-767-984-21	VIBRATOR, CRYSTAL

MISCELLANEOUS

REF. NO.	PART NO.	DESCRIPTION
	1-500-082-11	CLAMP, SLEEVE FERRITE USE ON 1-900-805-24 (QH TO AZ)
	1-500-484-21	CLAMP, SLEEVE FERRITE USE ON ILINK CABLE (KD-34XBR960 ONLY)
	1-543-793-11	FILTER, CLAMP (FERRITE CORE) USE ON ILINK CABLE, F-PIN CABLE, AND/OR OB PP CABLE
*	7-322-065-48	RUBBER, SILICONE RTV (KE-3490)
	4-382-854-01	SCREW (M3X8), P, SW (+)
	7-685-648-79	SCREW +BVTP 3X12 TYPE2 TT(B)
	7-682-546-04	SCREW +B 3X5
	7-685-663-79	SCREW +BVTP 4X16 TYPE2 TT(B)
	7-685-872-09	SCREW +BVTT 3X8 (S) (KV-30XS955/36XS955 ONLY)

PACKING AND ACCESSORIES

REF. NO.	PART NO.	DESCRIPTION
*	2-067-077-01	BAG, PROTECTION (KD-30XS955 ONLY)
*	4-066-845-11	BAG, PROTECTION (KD-34XBR960/34XS955 ONLY)
*	4-066-646-02	BAG, PROTECTION (KD-36XS955 ONLY)
*	4-103-040-01	CARTON, HSC (KD-34XBR960 FOR STE ONLY)
*	2-108-169-01	CARTON, HSC (KD-34XBR960 FOR PTG ONLY)
*	4-102-864-01	CARTON, INDIVIDUAL (KD-30XS955 ONLY)
*	4-102-865-01	CARTON, INDIVIDUAL (KD-34XS955 FOR STE ONLY)
*	2-318-712-01	CARTON, INDIVIDUAL (KD-34XS955 FOR PTG ONLY)
*	4-102-866-01	CARTON, INDIVIDUAL (KD-36XS955 ONLY)
*	4-098-404-02	CUSHION, FRONT (UPPER) (KD-34XBR960 ONLY)
*	4-102-097-01	CUSHION, (FRONT) UPPPER (KD-34XS955 FOR STE ONLY)
*	2-178-332-01	CUSHION, (FRONT) UPPPER (KD-34XS955 FOR PTG ONLY)
*	4-102-205-01	CUSHION, (FRONT) UPPER (KD-36XS955 ONLY)
*	4-098-405-02	CUSHION, REAR (UPPPER) (KD-34XBR960 ONLY)
*	4-102-098-01	CUSHION, (REAR) UPPER (KD-34XS955 FOR STE ONLY)
*	2-178-333-01	CUSHION, (REAR) UPPPER (KD-34XS955 FOR PTG ONLY)
*	4-102-206-01	CUSHION, (REAR) UPPER (KD-36XS955 ONLY)

REF. NO.	PART NO.	DESCRIPTION	VALUES
*	4-102-094-02	CUSHION, UPPER (KD-30XS955 ONLY)	
*	4-102-095-01	CUSHION, LOWER (KD-30XS955 ONLY)	
*	4-098-406-01	CUSHION, LOWER (KD-34XBR960 ONLY)	
*	4-102-099-01	CUSHION, LOWER (KD-34XS955 FOR STE ONLY)	
*	2-178-3343-01	CUSHION, LOWER (KD-34XS955 FOR PTG ONLY)	
*	4-102-207-01	CUSHION, LOWER (KD-36XS955 ONLY)	
	4-102-728-21	MANUAL, INSTRUCTION (ALL EXCEPT KD-34XBR960)	
	4-102-730-21	MANUAL, INSTRUCTION (KD-34XBR960 ONLY)	
	4-102-728-31	MANUAL, INSTRUCTION (KD-34XS955 CND)	
	2-148-611-21	QUICK START POSTER (ENGLISH) (ALL EXCEPT KD-34XBR960)	
*	4-041-423-11	SHEET, PROTECTION (KD-34XBR960/34XS955 ONLY)	
*	2-108-170-01	TRAY (KD-34XBR960 ONLY)	

REMOTE COMMANDER

REF. NO.	PART NO.	DESCRIPTION	VALUES
	1-478-821-11	REMOTE COMMANDER (RM-Y201) (KD-34XBR960 ONLY)	
	4-081-888-01	COVER, BATTERY (KD-34XBR960 ONLY)	
	1-478-711-11	REMOTE COMMANDER RM-Y199 (ALL EXCEPT KD-34XBR960)	
	4-978-977-01	LID, BATTERY CASE (ALL EXCEPT KD-34XBR960)	

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